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Vaughan's

New York

41 & 43 Barclay St.

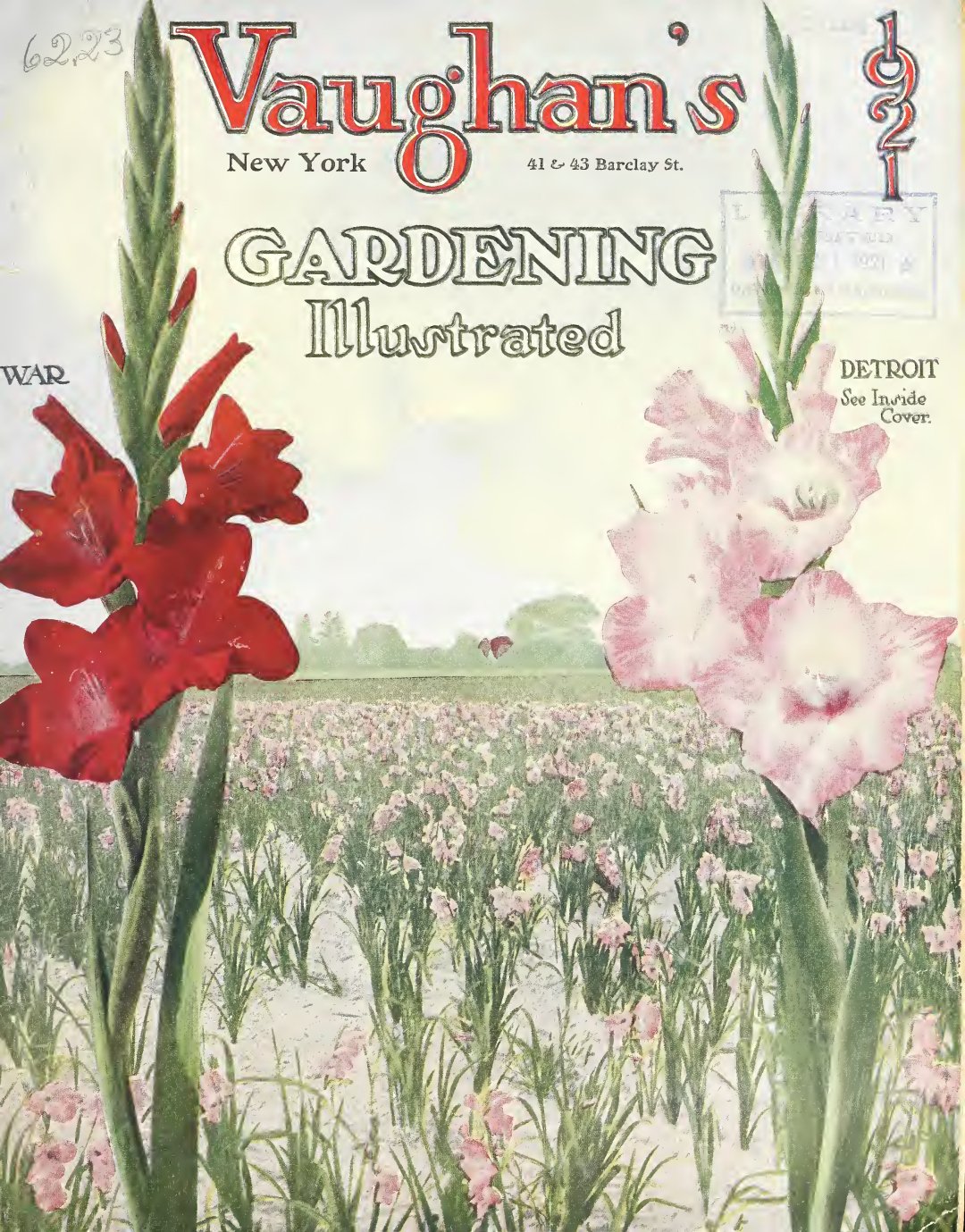
1921

GARDENING Illustrated



WAR

DETROIT
See Inside
Cover.





J. C. VAUGHAN

WHAT Vaughan's Seed Store SERVICE MEANS

*You Buy More Than Seed When
You Join the Circle of
Our Customers*

VAUGHAN'S SEED STORE was founded in 1876. Its knowledge of the seed business and equipment for conducting it are the product of forty-four years' experience.

Each year of the forty-four has contributed something toward the complete service which its customers receive today, and the forty-fifth year, now beginning, finds this organization studying, testing, seeking, and we believe learning, more than in any year past.

In a commerce so vast, which has endured since civilization began, forty-four years merely brings to maturity and enables a house to take its rank with the other seasoned institutions that serve food-producing mankind.

A seed house of proved worth is more than a store, and the service it renders is more than commercial.

The seedsman is a naturalist and is pre-eminently a conservator, all his activities being devoted to conserving, increasing and improving, rather than exploiting and destroying our natural inheritances.

Great seed houses have so well performed the tasks society lays upon them that, in their respective countries they, and not government or educational institutions, are looked to for authoritative judgment on horticultural subjects. Seed catalogues of the better houses are used as reference books, because they contain accurate information to be found nowhere else.

For Forty-Four Years a Leader.

IN the seed trade of America, the position of Vaughan's Seed Store as a house of the first rank, is undisputed. At the time this is written, the founder, John Charles Vaughan, is actively directing the business he began in 1876. He has been prominent in the allied horticultural trades of this country throughout his career. He has served as president of the American Seed Trade Association and the Society of American Florists. Leonard H. Vaughan,

vice president, directs the vegetable seed department, and supervises testing work, trial grounds and experiments in breeding and selection. Carl Cropp, treasurer, is a specialist with life-long experience in annual and perennial flower seeds.

The very first seeds sold by Mr. J. C. Vaughan were provided at the urgent request of satisfied customer friends, buyers of fruit and shade trees. These worthy gardeners had been sadly disappointed at the poor crops harvested from commission box seeds at that time, 1875, and urged that Mr. Vaughan provide them seed dependable in vitality, type and productive-

it seemed wisest to incorporate the business so that trained employees could be made part owners, and the officials then chosen still remain in charge of its affairs. From this date the annual volume has increased steadily, passing several years ago a million dollar annual turnover.

During these years, through technical improvements in testing seeds and proving types, higher purity and germination standards have been established and with them Vaughan's Seed Store, through its officials and employees has constantly kept pace.

The latest methods for cleaning and storing seed, testing for germination and analyzing for purity, are practiced; while at the same time the advantages acquired from forty-four years in business are retained. Not the least of these is a thorough knowledge of seed production the world over, and connections of years' standing with expert seed growers in this and other countries.

Searching the World for Seed

AN example of what this means may be given. A buyer of silk, let us say, can easily inspect a sample and determine its quality, so his purchases may be made of who ever offers suitable goods. But inspection will not assure a seed buyer that a sample is as represented. The life germs within the seed may contain all the excellent qualities of the parent stock he seeks, but the only proof he has is the word of the seller.

It follows that seedsmen cannot buy of everyone. They must assure themselves that the growers of the seed they handle are expert and reliable; that they operate in districts favorable to the production of the best seed of their specialties; that their original stocks are sound, and their methods of selection and "rogueing"—or discarding plants untrue to type—are thorough. All good seed are pedigreed—the product of skillful plant breeding—and plantations in seed farms must be carefully watched to see

WHEN you buy SEED, you pay for the PLANTS it may produce. Two packets may be identical in size; but if one is only 10 per cent fertile, while 90 per cent of the second produces plants, then in value to you the second is nine times as large as the first. **Y**OU may easily pay as much for the poor seed, as for the good; and never, we venture to say, is the difference in cost as great as the difference in quality.

THIS is so well known, that expert advice always emphasizes the importance of buying seed from the best source available. In no other line is it so true that "the best is cheapest."

IN some states, laws have been passed, seeking to protect buyers by requiring the labeling of seed, much after the manner of pure food laws. But laws cannot insure quality in seed, as they do in food. Seeds are not manufactured. Nature produces them, the good and the bad. Many conditions which affect their growth are not in the control of men, and laws cannot reach Nature.

THE seed user's only protection is found in purchasing seed from a house whose equipment, experience, size and standards of business are such as to insure its patrons the very best seed that the current world crops afford.

VAUGHAN'S SEED STORE is such a house. Why it is, the article on this page and the next attempt to show you. The best proof is a trial order of our specialties.

ness. The good results from seed thus provided secured these customers and came yearly many more, until the larger part of the gardening fields were sown with Vaughan's seeds. From 1885, the Vaughan's catalogues were distributed annually to many thousands of home gardeners throughout the Middle West.

The critical inspection and requirements that all seeds be true to type and of highest germination had laid a broad foundation for the building of a business.

In 1901, with the growth of the business from a volume of a few thousand dollars yearly to several hundred thousand,

Special Cover Collection

front cover), Schwaben, Europe, Margaret, Martha Washington, Primulinus Sunbeam, Panama, Baron J. Hulot, Princes, Pink Perfection and Ruffled Glory. Sent prepaid in the United States for \$2.50.

TWELVE BULBS, one each of the following splendid varieties, including Detroit, which sells for \$1.00 per Bulb, and War (pictured with Detroit on Washington, Primulinus Sunbeam, Panama, Baron J. Hulot, Princes,

that no throwbacks or unworthy specimens of the family intrude themselves.

The combination of favorable soil and climatic conditions and expert skill in seed growing is not found everywhere. The good seedsmen must roam the world in search of the best products for his warehouses. Many more vegetable seed are now produced in this country than before the war; but flower seed are still nearly all imported from France and Germany. Spring flowering bulbs, of which Vaughan's Seed Store is the largest American importer, are brought from Holland, England, France and Japan. Almost every country has some specialty which cannot be obtained elsewhere in the finest quality.

An example is the exclusive strain of Chinese cabbage, of the variety called PeT'ai, which Vaughan's Seed Store controls in this country. This seed is obtained from a Chinese family which has developed it by expert selection for fifty years, in order to produce the tall, slender beautifully bleached heads which are so tempting to the appetite (see the illustration on our back cover).

Trial Grounds and Seed Farms

WHILE keeping up his supply of tried varieties, the seedsmen must be ever on the lookout for new; and the house which values its reputation carefully avoids recommending novelties which have not been thoroughly proved. This requires expensive trial grounds. In Vaughan's seed farms in Michigan and Illinois, all novelties not proven on the grounds of the introducer are tested for one or more years before being catalogued, and here, also, seed of the old varieties are tried out year after year to make sure that our stocks are suffering no deterioration.

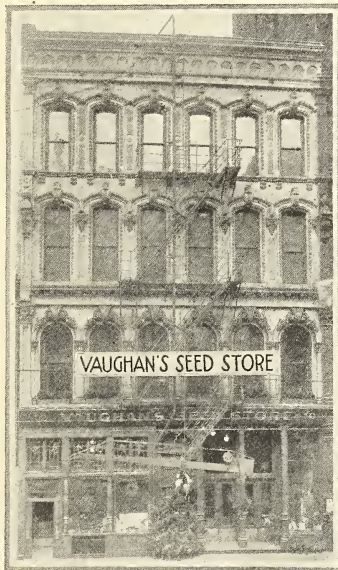
Here, also, we grow much of the seed we sell, of varieties for which the soil and climate are favorable. Peas, beans, melons, cucumbers, sweet corn and gladioli are grown on our Michigan farm.

On the front cover of this catalogue is an illustration of one of our fields

For 35 Years Our Chicago Downtown Store Has Been Near State and Randolph Streets, the Center of the Greatest Shopping District in This Country. Below is Our Present Chicago Retail Store, a 4-Story Building at 10-12 W. Randolph Street, Two Doors From State Street.



Harvesting Rosen Rye on our Michigan Farm.



of gladioli in bloom. One hundred and twenty acres are grown in Michigan, and fifty more at our farm near Homewood, Ill.

Both in Michigan and Illinois we maintain large warehouses for the storage of seeds, bulbs and onion sets; for the scientific storage of these wares, between the harvest and the planting season, is an important part of the seedsmen's service.

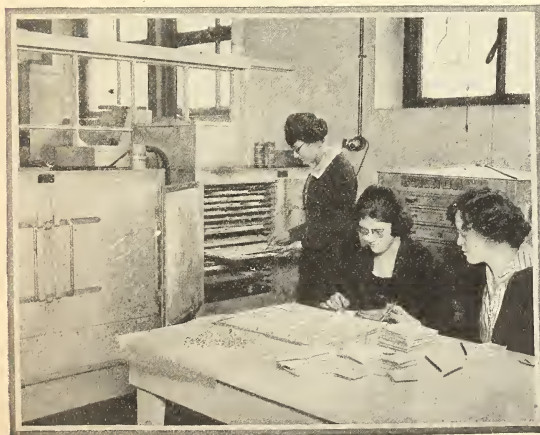
Testing and Distributing

OF the ten cents you pay for a packet of seed, not all is required to pay the actual cost of the seed, as you may have surmised. The greatest expense of the service Vaughan's Seed Store renders you is found in the extreme care with which this seed must be tested, stored, sealed and sorted, and then the particular varieties you want picked out from among the thousand others and mailed to your door, ready for you to plant.

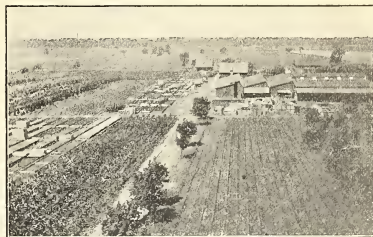
Only by systematizing operations so that they are conducted on a great scale at the smallest unit expense, is it possible to handle so many distinct varieties, of so high a standard, for so small a sum.

Greenhouses and Nurseries

VAUGHAN'S service, as those who have patronized us in past years so well know, does not stop with supplying the gardener with seed. Tools and supplies, as well as plants, trees and nursery stock, are obtainable from us. Our greenhouses and nurseries at Western Springs, Ill., have



A Scene in Our Seed Laboratory Where All Seeds Purchased Are Tested for Purity and Germination Under Supervision of a Government Trained University Graduate.



View of Vaughan's Nursery Grounds, Western Springs, Ill.

long been the chief source of supply for Chicago homes and the suburban communities surrounding this city. For thirty-five years, our retail store in the vicinity of Randolph and State streets, has been a center for the gardeners, both amateur and professional, of this territory. Here they have been supplied with every need, including sound advice in dealing with the problems of planting.

Grass Seed for Turfs

IN the past few years due to the impossibility of importing most of the European Fancy Grasses, so-called—American Golf Clubs and other American "turf" users have been compelled to use native grasses and with surprisingly good results and at a great saving of money. Red Top and Kentucky Blue Grass are at present the two important American lawn species. Rhode Island Bent may come into its own in a few years providing present efforts to establish a growing center in New England are successful. For spring sowing we shall have, this year, in limited quantities the old European favorites: Red Fescue, European Mixed Bent (Creeping Bent) and Cheiving's Fescue to offer. We quote special prices to golf clubs based on quantities desired and are pleased to quote by sample with analysis of purity and germination. (See pages 54 and 55 for our list of grass varieties.)

HOW TO MAKE A LAWN—Have soil thoroughly spaded up, enriched with commercial fertilizer or well rotted manure, level and roll it well to make compact. Select a still, damp day for seeding; sow one-half of the seed from North to South and half from East to West, rake it over and roll again, when grass comes up replanting bare spots. When grass is 2 inches high cut it, and as necessary thereafter. Don't rake up short clippings as they make a good mulch. Always thoroughly soak a lawn when sprinkling, when required, but never sprinkle lightly. Free booklet, "How to Make a Lawn." Send for it.



VAUGHAN'S PUTTING GREEN MIXTURE

A carefully blended and properly proportioned mixture that contains only such deep rooting grasses as will produce a close and permanent turf.

Price, lb., 50c; 5 lbs., \$2.25; 50 lbs., \$20.50; 100 lbs., \$40.00. We recommend 50 lbs. to the green 100 feet square. Special prices quoted on large quantities.

VAUGHAN'S FAIRWAY MIXTURE

Although of less importance than that for Putting Greens has been made up with the same scrupulous care. It is composed of perennial native and foreign grasses, of proven value for Fairways, and produces a firm and lasting turf that improves with age if properly cared for.

Price, 1 lb., 40c; 5 lbs., \$1.90; 50 lbs., \$17.75; 100 lbs., \$35.00. Sow 100 to 150 lbs. to the acre. Special prices quoted on large quantities.

VAUGHAN'S TENNIS COURT MIXTURE

Undoubtedly the best there is, not only for Tennis Courts, but for Cricket grounds, Bowling greens, etc. Sow 50 to 60 lbs. per acre for new greens; 15 to 20 lbs. to improve existing turf. Price, 1 lb., 45c; 5 lbs., \$2.00; 50 lbs., \$16.75; 100 lbs., \$33.00.



VAUGHAN'S "Central Park" LAWN SEED



VAUGHAN'S "CENTRAL PARK"

Quantities to Use—see opposite page.

Vaughan's "Central Park" Lawn Seed is familiarly known everywhere in the United States where lawns are made.

It produces a beautiful and enduring turf without the aid of cheap "quick-showing" grasses, which are only of temporary value.

After many years' trials we have a balanced mixture of American and such European grasses as do best in our climates. We select the finest grades of evident purity and germination.

For more than 40 years it has been standard in America, each year adding to its popularity and increasing sales.

In the great parks and cemeteries, where best results must be had in order to produce beautiful and enduring turf, Vaughan's "Central Park" is used almost exclusively.

Many of the beautiful lawns on the large private estates in New England, Long Island, New Jersey and throughout the middle west, rivaling the famous English lawns, were produced with Vaughan's "Central Park" Lawn Seed.

Vaughan's "Central Park" lawn grass seed is thoroughly cleaned, then re-cleaned. This applies to all the separate kinds of seed contained in the mixture, besides which each lot is tested for germination, in the most painstaking and careful manner.

Price, $\frac{1}{2}$ lb., 20c; 1 lb., 40c; 3 lbs., \$1.15; 5 lbs., \$1.90; 10 lbs., \$3.70; 15 lbs., \$5.50; 20 lbs., \$7.25; 25 lbs., \$9.00; 50 lbs., \$17.75; 100 lbs., \$35.00.

Postage 8c per lb. extra. See Special prepaid offer below.

Write for special prices on large quantities.

QUANTITIES OF SEED TO USE FOR NEW LAWNS

1 lb. for 300 square ft.	25 lbs. for one-fourth acre.
5 lbs. for 1,500 square ft.	50 lbs. for one-half acre.
10 lbs. for 3,000 square ft.	100 lbs. for one acre.
15 lbs. for 4,500 square ft.	

For Old Lawns, use half above quantities to get ideal results.

Sow early before withering summer heat comes on.

Cultural leaflet—"How To Make a Lawn" FREE. Send for it.

VAUGHAN'S SPECIAL GRASS MIXTURE

Contains a large proportion of the finer, and more expensive grasses, like Rhode Island Bent, Red Fescue, Kentucky Blue, etc., in extra heavy samples, making weight 20 lbs. per bushel. Produces turf of closest, finest texture. Sow 100 lbs. to acre.

Price, per quart, 40c; bushel of 20 lbs., \$8.00.

SPECIAL PREPAID LAWN SEED OFFER

On all orders of Lawn Grass Seed amounting to \$2.00 and over, we prepay transportation within 300 miles Chicago or New York. See other Prepaid Offers on inside back cover page.

VAUGHAN'S "COLUMBIAN"

For Shady Lawns or Sandy Soil

On sandy soil in shade, conditions are met with when making a lawn which require the use of a special grass seed mixture.

To provide sure and beautiful lawn grass under such conditions, Vaughan's "Columbian" has been prepared with exceptional care.

Vaughan's "Columbian" is an excellent mixture for the uses stated above; its record in public parks, expositions and private grounds everywhere in the United States justifies its use by every one who needs lawn seed for a shady place or light, sand soil.

Price, 1 lb., 40c; 5 lbs., \$1.90; 10 lbs., \$3.70; 15 lbs., \$5.50; 20 lbs., \$7.25; 25 lbs., \$9.00; 50 lbs., \$17.75; 100 lbs., \$35.00.

Write for special prices on large quantities.

VAUGHAN'S DENSE SHADE MIXTURE

Composed of grasses most suited for growing in heavily shaded situations.

Price, per lb., 60c; 5 lbs., \$2.90; per bu. of 20 lbs., \$11.00.

Vaughan's Lawn Restoring Grass Mixture

Takes hold and grows quickly on wornout or burned spots. Sow in very early Spring, or late Summer and Fall (end of August to middle of October); also before every Summer rain, on thin places. Price, per quart, 40c; per bushel of 24 lbs., \$8.75.

VAUGHAN'S "QUICK SHOW" GRASS MIXTURE

Has not the permanency of color of our "Central Park," but makes a respectable showing the first season. Sow 100 lbs. to acre.

Price, per lb., 25c; 5 lbs., \$1.10; 100 lbs., \$20.00.

Kentucky Blue Grass We offer in two grades—Extra Fancy Seed. germination. 1 lb., 50c; 5 lbs., \$2.35; 10 lbs., \$4.50; 100 lbs., \$42.00. Fancy Seed—Actual weight 21 lbs., per bushel. 1 lb., 40c; 5 lbs., \$1.90; 10 lbs., \$3.75; 100 lbs., \$35.00.

Red Top Grass Fancy re-cleaned. Solid seed. 32 lbs. to bushel. 1 lb., 30c; 10 lbs., \$2.35; 100 lbs., \$20.00. Common Unhulled Bushel 14 lbs. 1 lb., 18c; 10 lbs., \$1.50; 100 lbs., \$12.00.

White Clover Extra fancy seed. 1 lb., 75c; 3 lbs., \$2.15; 10 lbs., \$6.50. Add 8 cents per pound to above prices if wanted by mail.

VAUGHAN'S LAWN FERTILIZER

The big-grade chemical fertilizer sold by Vaughan's Seed Store is immeasurably superior to the best rotted manure. It supplies the essential plant food, which grass, being a voracious feeder, requires to produce the velvety texture and beautiful color, so attractive and inviting to the eye. Manure has undoubtedly the soil enriching quality, but it is unwholesome, with offensive odor and worse still usually contains live dangerous weed seeds.

DIRECTIONS: As a top-dressing make first application in early Spring, when first out of the ground, distribute evenly 25 lbs. fertilizer to every 1,000 square feet of lawn. An equal quantity of sandy loam or good garden soil added to the fertilizer will make distribution easier and will serve to prevent burning. In seeding down new lawn, scatter double the amount, 50 lbs. of fertilizer on every 1,000 square feet; rake in thoroughly, then sow seed.

Price, 5 lbs., 60c; 10 lbs., \$1.00; 25 lbs., \$2.00; 50 lbs., \$3.50; 100 lbs., \$6.00; 500 lbs., \$25.00; 1,000 lbs., \$48.00; 2,000 lbs., \$93.00.

VAUGHAN'S Vegetable Seed Novelties and Specialties for 1921

On this and the next page we offer a few of the newer, thoroughly tried varieties of vegetables we consider of merit and also some particularly good or improved strains of standard sorts. We do not rename selected stocks of old, well known vegetables, as such practice is confusing to the planter. We are offering five vegetables for

the first time this year. Bean—"New Kidney Wax," Celery—"Columbia," Cucumbers—"Earliest of All," Melons—"Pollock 10-25" and "Bountiful Pea." All splendid sorts worthy of trial. Our back cover illustrates four of the newer vegetables—leaders in their respective classes.



ASPARAGUS WASHINGTON

NEW GIANT RUST-PROOF ASPARAGUS, "WASHINGTON"

This is the first result of thirteen years work in a plant breeding campaign of the Bureau of Plant Industry of the United States Department of Agriculture to produce high yielding pedigreed rust resistant strains of Asparagus. The pedigree-breeding work is being continued, and improved seedlings will be put out later. The asparagus plant is dioecious, that is there are male and female plants and two parents are required for seed production. A prepotent male plant "Washington" with a remarkable power for transmitting vigor and rust resistance to the progeny, has been the male plant in the strain we are now able to offer. Numerous carefully selected female plants have been used. Seed from separate female plants we are not yet able to offer. The Washington stock strain we offer represents the progeny of the most uniform rust resistant, highest yielding, largest size and quickest growing plants selected from thousands on trial. We urge all and especially commercial growers to give this a thorough trial.

Pkt., 25c; oz., 40c; $\frac{1}{4}$ lb., \$1.25; lb., \$4.00.

Roots—2 yr. old, doz., 60c; by mail, 68c; 100, \$3.00; mail, \$3.50

EXHIBITION BUSH BEAN

(Sutton's Masterpiece)

Green Pod—This is the finest of all exhibition sorts. The pods are thin, flat, straight, and much longer than the old standard Bountiful. A basket of these long, slender, dark green beans makes a splendid show indeed. In season a first early, it is also a heavy yielder. On a market where a flat, green bean sells, it is one of the best market varieties. A good forcer for greenhouse use.

Pkt., 15c; 1 lb., 45c; 2 lbs., 80c; 10 lbs., \$4.00.

CABBAGE DISEASE (YELLOWS) RESISTANT

Wisconsin No. 8

The loss and destruction of large acreages of cabbage by the diseases called "Yellows" in the commercial growing sections of Southern Wisconsin caused an investigation by the Plant Pathologists of the University of Wisconsin. Prof. L. R. Jones of that university has solved the problem of this evil by selecting and breeding a yellows disease proof variety of cabbage which is practically immune from attacks but no claim is made to freedom or immunity from other diseases, such as club foot, stem rot, black rot. Remarkable success has followed the introduction of this variety in diseased sections. Large crops have been produced from disease resistant seed where other varieties have failed entirely. The type is not as uniform but in general habit of growing and also good keeping qualities it resembles the Hollander variety—see page 18. Pkt., 10c; $\frac{1}{2}$ oz., 85c; 1 oz. \$1.50; 2 ozs., \$2.75; $\frac{1}{4}$ lb., \$5.25; lb., \$20.00.



THE CHINESE PE TSAI
THE VAUGHAN STRAIN

CELERY CABBAGE OR CHINESE PE TSAI

(See Cover Illustration.)

This exceptionally fine vegetable is rapidly growing in public favor. It possesses characteristics which place it as a cabbage in a class entirely by itself. In shape it is unlike any other familiar type of the cabbage family. Its habit of growth resembles the Cos Lettuce; the outer leaves, however, have the general texture of ordinary cabbage. Seedlings are so unlike the ordinary cabbage that many planters often think at first they have planted turnips. When the outside leaves are stripped away the cabbage presents a well nigh irresistible appearance combining a picture of Lettuce and Celery. Our strain of this seed is by far the best of any we have seen—grown in China by a specialist, whose family has raised and selected this particular type for many years. Note the compact, tightly folded leaves in our illustration and their beautiful whiteness and crisp appearance. The heads blanch without tying.

"A SALAD VEGETABLE" is David Fairchild's summary of Pe tsai in a recent Journal of Heredity. As palatable as lettuce, keeps better, equal in food value and can be grown at half the cost of lettuce. Boiled like cabbage it is of equal flavor, without offensive odor and many people who cannot eat or do not like cabbage endorse over Pe tsai. Plant in July.

There are several strains, the Pe tsai is, we think, the best of all.

Pkt., 10c; oz., 50c; 2 ozs., 95c; $\frac{1}{4}$ lb., \$1.60; lb., \$5.50.

BUSH BEAN, NEW KIDNEY WAX

A flat, long podded, beautiful wax bean, perfectly stringless and of the highest eating quality. Round podded wax beans have generally been regarded as of better quality than the flat sorts; there is a flat podded bean, however, with all that can be desired as regards appearance, tenderness and flavor. In addition to these features the New Kidney Wax is a robust grower and a splendid yielder. Pods 6 to 7 inches long, very thick and meaty. Vines 18 to 20 inches in height.

Pkt., 10c; lb., 40c; 2 lbs., 80c; 10 lbs., \$3.50.

NEW CELERY, "COLUMBIA"

A recent novelty of exceptional merit. In season early. The plants are dwarf and the stalks thick and heavy. Easily blanchable. The solid light golden yellow heart is of splendid flavor. Desirable for both home and market use.

Pkt., 10c; oz., 50c; 2 ozs., 85c; $\frac{1}{4}$ lb., \$1.40; lb., \$5.00.

CUCUMBER, EARLIEST OF ALL

(Extra Early White Spine)

A fair size, dark green, White Spine or slicing Cucumber. The earliest maturing variety of good quality we have tried; of especial value in localities where blight prevents the maturing of the later and longer sorts; also of value in the south for first crop.

Pkt., 10c; oz., 20c; $\frac{1}{4}$ lb., 50c; lb., \$1.60.

CUCUMBER, EARLY FORTUNE

An especially fine, medium length, White Spine Cucumber much planted in the south for shipment to the northern markets. It has a fine, dark green color which it holds for a long time after picking. It shows no white coloring before ripening. Early, prolific, uniform and well shaped.

It is equally good for northern summer planting in the home garden.

Pkt., 10c; oz., 20c; $\frac{1}{4}$ lb., 50c; lb., \$1.60.

VAUGHAN'S SPECIAL EARLY SWEET CORNS

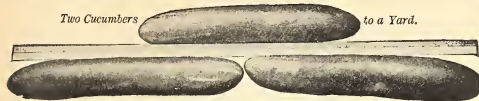


Recent trials of experimenters tend to show that Michigan Sweet Corn is of exceptionally high quality, particularly vigorous and free from disease. We grow on our own farms in Michigan, nearly all of the better early sorts which mature in that climate. Varieties are carefully bred and kept isolated from other sweet corns and field varieties and our product averages 10 to 15 per cent higher in germination than we can obtain under any other methods. We are especially proud of our Golden Bantam, Malakoff, Early Iowa, Mammoth White and Early Red Cory, Early Evergreen, Howling Mob and Early Champion varieties. See pages 24 and 25.

VAUGHAN'S Vegetable Seed Novelties and Specialties for 1921

Two Cucumbers

to a Yard.



NEW CUCUMBER—"The Vaughan"

(See Back Cover Illustration.)

This has proved the sensational novelty we claimed it last year. It is as much in advance over the Davis Perfect variety as the "Davis" was over the old extra long White Spine sorts. Compared to the other cucumbers of the same class (long white spine varieties) like Davis Perfect and Fordhook Famous it is much darker in color, more uniform in shape and size, thinner and more prolific. It is the ideal American forcing variety. Our customers, who raised it last year, had perfect greenhouse cucumbers raised outdoors. We offer in limited quantities only. Pkt., 10c; oz., 50c; $\frac{1}{4}$ lb., \$1.60.



NEW ANNUAL SWEET CLOVER (WHITE BLOSSOM)

Not a vegetable—but placed here in a most prominent position in our catalog because of its tremendous importance to American agriculture. A few years ago Prof. Hughes of the Iowa Agricultural College, Ames, Iowa, sent us forty seeds of this new plant for trial and to grow on. We are able, for the first time this year, to offer to our customers a very limited quantity grown on from this original seed. We are offering only an ounce to a customer so that as many as possible may try it. We hope to be able to offer in quantity next year.

The annual sweet clover, sown in the early spring, produces a plant of almost equal size to the biennial sweet clover and matures seed the first year. Produces the largest yield of high feeding value hay of any crop we know in the first year from seed, and has no equal as a valuable one year soiling crop.

For trial—small pkt., 10c; $\frac{1}{4}$ oz., 25c; oz., 75c.

NEW MUSKMELON POLLOCK, 10-25

Salmon tint. The most popular of the Rocky Ford Type Melons among the western commercial growers. Introduced about two years ago, the stock has been controlled until now by a few shippers. Very uniform in highest quality; vigorous and early. Cuts with a golden center shading to a green at the rind. The latest and best Rocky Ford. Pkt., 10c; oz., 20c; $\frac{1}{4}$ lb., 50c; lb., \$1.50.

VAUGHAN'S TOP O' THE MORN

A new Giant Podded Dwarf Pea. We like it particularly because of its vigor and ability to produce a crop under unfavorable conditions. Year in and year out Top O' the Morn will far outyield other varieties in its class. The vines are of a deep green color, growing 18 inches in height—no staking required. The pods are blunt-ended, like Nott's Excelsior, but much longer and are produced in pairs and clusters all up the main stem.



Pkt., 10c; lb., 45c; 2 lbs., 90c; 10 lbs., \$3.75. Larger quantity at 10-lb. rate.

PEA, MARCHIONESS

A valuable addition to the tall, early varieties. It may be briefly described as an extra early Gradus. Pods are of equal size to Gradus, and in season several days earlier. Quality superlative. The finest high quality early garden pea.

Pkt., 10c; lb., 40c; 2 lbs., 80c; 10 lbs., \$3.25. Larger quantities at 10-lb. rate.

NEW PEA, BOUNTIFUL

A very large podded, extra early, smooth seeded Pea of the Amer type. The pods are almost of Telephone size and this variety sells for a Telephone on the market. A heavy yielder. Vine 2½ to 3 feet in height.

Pkt., 10c; lb., 40c; 2 lbs., 80c; 10 lbs., \$3.25.



VAUGHAN'S NEW YORK

VAUGHAN'S BANTAM EVERGREEN

The Golden Sweet Corn—(See Back Cover Illustration)

One-third larger than Golden Bantam. Ten days to two weeks later, it can be planted with Golden Bantam and will mature later after that variety has passed the usable stage. It is thinner hulled than Golden Bantam and fully equal in quality. Had we only one choice in Sweet Corn this would be it. Market gardeners will find it produces as heavily as a main crop sort and will sell on the market because of its larger size. Better than Golden Bantam. Pkt., 15c; lb., 30c; 2 lbs., 60c; 10 lbs., \$2.25.



NEW CHICKEN LETTUCE

Here is a genuine Lettuce which will yield as much or more chicken or rabbit feed as any "greens" plant. When once cut it starts to grow again. The leaves can be pulled off each stem like a kale. Chicken Lettuce does not make a head but sends up a stout stalk three or four feet high just loaded with leaves.

Pkt., 5c; oz., 20c; $\frac{1}{4}$ lb., 65c; lb., \$2.25.

We print a special Poultry and Rabbit Catalog. Drop us a postal if interested.



NEW LONG STANDING SPINACH "ANTVORSKOV"

NEW LONG STANDING SPINACH "ANTVORSKOV"

In our trials this variety has been slower to run to seed than any other sort. Antvorskov forms quite large tufts (or rosettes) compact and low. The numerous leaves are extra large, broad and rounded, exceedingly bushy, slightly crumpled and of a glossy dark green color. It is vigorous and a rapid grower. It is ready for use practically as early as any Spinach and remains in condition much longer. The seed is round. Pkt., 10c; oz., 15c; $\frac{1}{4}$ lb., 30c; lb., \$1.50.

NEW TOMATO, VAUGHAN'S "NEW YORK"

An extra fine, large, heavy yielding, second early red Tomato especially suited for the home garden to follow the extra early varieties like Earliana and John Baer. An old customer and friend, W. E. Vail of Yorktown Heights, New York, gave us this variety after hybridization work through a period of years. "New York" has a beautiful rich red color, firm high colored flesh, it is of large size with the vines vigorous and productive. Unlike some of the early sorts the plants yield large sized fruits to the end of the season.

Pkt., 10c; $\frac{1}{2}$ oz., 30c; oz., 60c.



As a new customer this year, I should like to tell you of the splendid success I had with your New York Tomato. It is certainly a splendid variety.

JAMES J. MEAD,
Yorktown Heights, N. Y.

I wish to say that I tried your "Vaughan's New York" Tomato find it an excellent tomato and a great yielder. Am very well pleased with it.

FRANK FAIRCHILD,
Yorktown Heights, N. Y.

Our trial grounds located in Michigan and Illinois give us a range of soil and climate where we can observe variations in varieties not possible in one locality. If you have our kind of some new or better variety please tell us about it.

FLOWER SEED NOVELTIES

- 4000 **ANTIRRHINUM Majus Grand, Torchlight** ☉. A splendid new Snapdragon of stately habit, throwing long and massive flower spikes, which show off to perfection the brilliant hue of the flowers. A vivid orange with yellow center, slightly tinted with carmine above. Pkt., 20c
- 4001 — **Majus Nanum, Grand Buff Queen.** Lovely shade of rose, canary lip shaded orange. Pkt., 15c
- 4002 — **Tom Thumb, Orange-Yellow.** New attractive color. Fine for edging. Pkt., 15c
- 4003 **ASTER, American Beauty Rose** ☉. 2½ ft. Is similar in type of flower and growth to the well-known Late Branching Asters, but differs in that all the large blossoms are produced on much longer and heavier stems. The flowers are fully double to the last and are a most lovely shade of bright carmine-rose, almost identical with the World-Famous American Beauty Rose. Pkt., 10c
- 4004 — **American Beauty, Purple.** Same as above, but a beautiful rich velvety purple. Pkt., 10c
- 4005 — **Laender Beauty.** Beautiful clear lavender. Pkt., 15c
- 4006 — **Sept. Beauty.** Delicate soft shell pink. Pkt., 15c
- 4008 — **Heart of France** ☉. Heart of France opens red as the purest ruby, deepens with age and retains its remarkable color to the very end. The petals appear strikingly changeable, showing now a glow and sheen quite unique, now a soft warm velvety texture. In any light, natural or artificial, Heart of France is startlingly beautiful and will command instant admiration. Pkt., 15c
- 4009 — **Ostrich Plume, Terra Cotta.** Flowers remarkably rich color, petals daintily curled and stems long and strong. A most unique color. Pkt., 15c
- 4010 **CLEVELAND CHERRY.** This is an improvement on Jerusalem Cherry. Differs from it in habit of growth, which is dwarf and compact and the larger number of berries produced. One of the best house plants for window decoration. Pkt., 15c
- COSMOS** ☉. **New Race of Double-Crowned and Crested.** The plants are similar in habit to our famous strain of early-flowering Cosmos, and a fair percentage have double crowns, which give the flower a very dainty and exquisite appearance. The colors are pure white and a delightful shade of shell-pink. A large percentage come true from seed, both as to color and doubleness. The single which the strain produces is also very beautiful.
- 4011 **Double Pink Beauty** Pkt., 15c
- 4012 **Double White Queen** Pkt., 15c
- 4013 **Double Mixed** Pkt., 15c
- 4014 **DAHLIA SELECTA, Extra Double Giant Flowered.** A most beautiful mixture of the very best new double dahlias, with flowers on stiff erect stems. There is nothing better. Dahlias will bloom the first year from seed. Pkt. (50 seeds), 50c
- 4015 **DELPHINIUM, Blue Butterfly Improved.** ☉ 15 in. A charming Salvia-blue, annual variety; forming compact free flowering bush. Pkt., 15c
- 4015A — **Lavender Butterfly.** Annual dwarf Larkspur of a beautiful Cambridge Blue color. Paler form of Blue Butterfly. Pkt., 15c
- 4016 **DIANTHUS Laciniatus Splendens** ☉. The flowers are beautifully fringed and come in various shades of red with large white centers and white edges around the petals. The plants are of compact habit like all the Laciniatus sorts. Pkt., 20c
- 4017 — **Magpie** ☉. A single annual, ever-blooming Garden Pink with large flowers of the deepest dark red, almost as black as



COSMOS—DOUBLE CROWNED AND CRESTED

Pansy Dr. Faust, edged with clear silvery white. The marking is very clear and conspicuous. The plants are very free-blooming and the plants are of rather dwarf and compact habit. Pkt. 20c

- 4018 **DIDISCUS Coeruleus, Lavender Lace Flower** ☉. 3 ft. An unknown plant which ought to be grown more frequently. Long stemmed lavender flowers; look like blossoms of Queen's Lace Handkerchief. A constant bloomer. The culture is not at all difficult, only the seed is somewhat slow in germinating. To be sown in a medium hot frame, like Phlox or Verbenas in February or March. Seed will germinate after about 4 weeks. Keep frame closed until the seedlings form their leaves, then give plenty of air when weather permits. To be planted out in May in partial shade. Pkt., 20c
- 4019 **ESCHOLTZIA, The Geisha** ☉. 1 ft. A new fluted Escholtzia of fantastic oriental effect, the petals being prettily cimped, which adds light and shadows to the brilliant coloring—orange red outside, rich golden within. Habit of plant, bushy, compact and upright. Pkt., 15c
- 4020 — **Orange King** ☉. 1 ft. A selection from the wild flowers of those having the finest deep rich orange color and the largest flowers. The plants also have responded to cultivation and the blossoms are larger in size than the wild sort, but of the same color. Here is the true wild Escholtzia, extra selected. ½ oz., 25c. Pkt., 10c
- 4021 — **Vesuvius** ☉. A new and absolutely distinct color in California Poppies. A brilliant wallflower red with the same intense color inside petals as outside. A strong grower and very free flowering. This is an American novelty and of great merit. Pkt., 15c
- 4022 **GOMPHRENA Orange (Globe Amaranth)** ☉. A showy everlasting with clover-like heads. Blossoms resemble a ripe strawberry in color and markings. Start in sandy soil in gentle bottom heat. Pkt., 15c
- 4023 **ISOLMA (Hirsutum Multiflorum Hybridum)** ☉. The large leaves, which are of a texture similar to those of the Gloxinia are of a rich dark green; the reverse of them, as well as the flower stalks are covered with bright red hair, which renders them very attractive. The flowers are produced in abundance and in various colors and color combinations, white, orange, yellow and scarlet. The plants grow from 12 to 18 inches high, are bushy and require no staking. Their culture is similar to that of the Gloxinia and other Gesneriaceae. Seed sown in January or February will bloom in June or July and will continue to flower until winter without cessation. Their constitution is very robust, which enables them to thrive in living rooms. This is a most desirable pot plant. Pkt., 50c (For Isoloma illustration see next page.)
- 4024 **LILIUM REGALE (The Regal Lily)** It is absolutely hardy, and is excellent for forcing. It has been predicted that this will become the Easter Lily of the future, and being so hardy, may be grown at home. The flowers are white, slightly suffused with pink, with a beautiful shade of canary yellow at the centre, and extending part way up the trumpet. It is delightfully perfumed, reminding one of the jasmine, and lacking the heavy oppressive odor of most lilies. Blooms out of doors early in July, and seedling bulbs will flower the second year. Pkt. (25 seeds), 25c 5 pkts. for \$1.00.
- 4025 **LOBELIA "Pearl."** A new dwarf Lobelia of exceptional merit, entirely distinct from existing varieties. The plants are of dwarf compact growth, the flowers are large, white edged light blue—a most pleasing and effective combination. Pkt., 25c

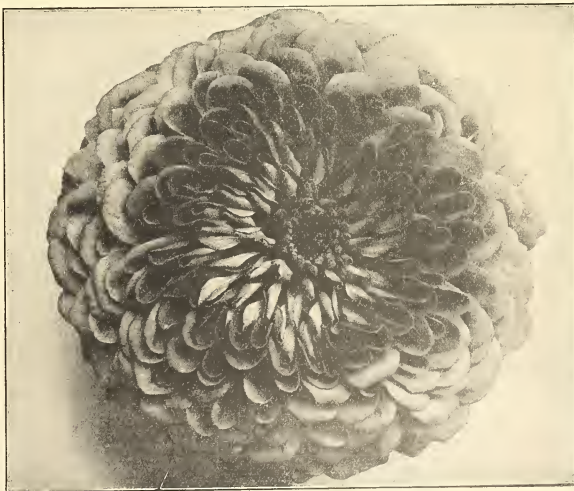
FLOWER SEED NOVELTIES



ISOLEMA—Hirsutum Multiflorum Hybridum

- 4026 **PANSY, Orchid Flowered, Sunset** ☉. Cinnabar and golden chamois. Odd but pleasing combination of colors....Pkt., 25c
- 4027 —**Special Mixture of Orchid Flowered Varieties** ☉. 8 in. Including only pretty tints and combinations of cream, primrose, and pale mauve, the flowers being exquisitely frilled and veined in contrasting colors.....Pkt., 25c
- 4028 **PETUNIA, Rosy Morn. Improved** ☉. 12 in. The plants are bushy and compact, the medium sized flowers, produced in great abundance throughout the entire summer and fall are of a most pleasing clear pink, contrasted by a broad white throat. A splendid sort for porch boxes, pots and beds.....Pkt., 25c
- 4029 —**Dwarf California Giants** ☉. The habit of the plant is very dwarf, flowers very large and of the finest substance, very fine range of color....Pkt., 35c
- 4030 —**Copper Rose** ☉. Enormous flowers of wonderful color with a deep white throat deeply veined—a shade that attracts and holds your attention. The substance of the petals is firm with a velvety surface. Free flowering but shy seeder....Pkt., 35c
- 4031 **PHLOX Dr. Nana Compacta, Coerulea Stellata**. Dwarf compact bushes, blue with white star.....Pkt., 15c
- 4032 **POPPY, Blue Shirley** ☉. The Shirley Poppies all have finely cut hairy foliage. The flowers have white centers. This sort appears in various shades of blue.....Pkt., 15c
- 4033 —**Rose Shirley** ☉. Shades of rose with white centers.....Pkt., 15c
- 4034 —**Annual Oriental** ☉. A new strain of the Oriental Poppy, which will bloom the first year if sown early.....Pkt., 25c
- 4035 **SCHIZANTHUS, Grandiflorus, Garaway's Hybrids** ☉. 2 ft. A grand strain having graceful fern-like foliage and bearing a profusion of large flowers, all with handsome markings on a white, buff, brilliant rose, rich blue or purple ground. If seed is sown in February plants will bloom in summer, and if sown in May or June will make handsome subjects for the conservatory in winter....Pkt., 25c
- 4036 **STOCK, Mammoth Ten Week, Heatham Beauty**. A new and quite distinct color in this grand class of Ten Week Stocks. The plant is of

- pyramidal habit with very large flowers of a rich mauve, shaded terra cotta. Really an Empress Victoria Augusta on a cream ground.....Pkt., 20c
- 4038 **TITHONIA SPECIOSA, "Mexican Sunflower"** 2L. A rare plant from Mexico. Perennial throwing up from the root many stout, woody stems furnished with rather large foliage. The flowers are large and remind one of an immense single Zinnia; color dazzling orange scarlet. It forms a large shrubby plant, flowers for a long period and is especially desirable for planting among shrubs or in the background of wide borders; will also bloom in winter in the house if lifted before frost. Exhibited at the San Diego, California Flower Show, October 10th to 12th, received special prize as the best new Perennial shown.....Pkt., 20c
- 4039 **TRACHELIUM COERULEUM** 2L. A very unique tender perennial of the Campanula family which grows to a height of about 2 feet and produces an abundance of violet-blue flowers, salver-shaped, with a long and very narrow tube. Its normal time of blooming is from June to August, but can be made to bloom again until late in fall by cutting the branches half way down, after which new flower spikes will make their appearance....Pkt., 15c
- 4040 **VIOLA, Barr's Bedding**. These beautiful tufted Pansies give a continual mass of bloom of bright and attractive colors from spring to autumn. The flowers are mostly self-colored and layless; cut back in July after the first flowers are over and the plants again burst into bloom and remain decorative for a long time.....Pkt. (120 seeds), 50c
- 4041 **ZINNIA, New Dahlia Flowered Mixed**. The plants of this new race are very sturdy and produce many flowers with stout stems. In formation the broad petals are closely imbricated, sometimes seeming almost to be piled one upon the other. The flowers often measure 4 inches in depth and 6 to 8 inches in diameter. In general appearance, the flowers compare favorably with the Show Dahlias.....Pkt., 25c
- 4042 —**Buttercup**. Buttercup is identical with the other Giant Zinnias, color, pleasing deep primrose, which holds its color in bright sunshine....Pkt., 25c
- 4043 —**Giant Picotee**. A remarkable new and distinct class with beautiful double flowers in orange, flesh, lemon, pink and cerise, each petal being distinctly tipped with various shades of dark, resembling the Picotee Carnations—most attractive and pleasing. All colors mixed.....Pkt., 20c
- 4044 —**Picotee, Golden Pheasant**. A variety of the above, having flowers of a deep orange with maroon tips.....Pkt., 25c
- 4045 —**Victory**. The petals are peculiarly quilled and twisted with a pin wheel effect in the center. The outside of the petals are of a copper golden color and on the underside various shades of rose and lilac.....Pkt., 20c
- 4050 —**"Vaughan's Special" Mixture**. This mixture contains everything that is good, new, choice and rare in Zinnias, including the Dahlia-Flowered, Picotee and Savoja types, and is sure to produce the most pleasing and satisfactory results. 3 Pkts. for 65c.....Pkt., 25c



NEW GIANT DAHLIA-FLOWERED ZINNIA

Sweet

Peas

Butterfly or

GIANT SPENCER
SWEET PEA
MRS. CUTHBERTSON



	Price, Pkt., (25 seeds) 10c, except where noted.	Pkt.
3900 Agricola. Fine large white slightly flushed lilac.....	\$0 10	
3901 America. Carmine stripe on white.....	10	
3902 Annie Bownass. Standard and wings deep pure pink, flushed salmon. A coppery salmon.....	15	
3903 Appleblossom. Standard rose, showing veins of deeper rose, wings light carmine, the whole color overspreads on primrose.....	10	
3904 Aurora. Orange rose striped on white.....	10	
3905 Blanche Ferry. Standard bright carmine rose and wings white, suffused and tinted with light pink.....	10	
3906 Blue Monarch. Dark blue.....	15	
3907 Blue Picotee. White, edged violet blue.....	10	
3908 Bolton's Orange. Rich orange salmon self.....	15	
3909 Constance Hinton. Of enormous size. The best white for outdoor planting.....	15	
3910 Countess Spencer. Clear pink deepening somewhat towards the edge.....	10	
3911 Dainty. Large white flower edged with clear rose pink.....	10	
3912 Dobbie's Cream. Deep cream or primrose.....	15	
3913 Dobbie's Lavender Geo. Herbert. Improved Florence Nightingale opens a little mauvish but clears to pure lavender.....	15	
3914 Edith Taylor. Bright salmon rose self. A new shade between salmon and shell pink.....	10	
3915 Elfrida Pearson. Large deep blush waved buds and young flowers having a bronze sheen.....	15	
3916 Empress Eugenie. Soft lavender flake on white.....	10	
3917 Fiery Cross. A new shade of red, Turkey or military red.....	15	
3918 George Herbert. Bright rosy carmine.....	10	
3919 Hawlmarmk Pink. (New.) The most wonderful and glorious pink.....	25	
3920 Hawlmarmk Lavender. (New.) Purest lavender. (12 seeds).....	35	
3921 Hercules. A rich pink flower, waved.....	15	
3922 Illuminator. Bright salmon, cerise sparkling with orange.....	15	
3923 Jean Ireland. Beautiful cream color edged with deep pink.....	10	
3924 King Edward VII. Rich waved crimson.....	10	
3925 King Manuel. Giant chocolate maroon self.....	10	
3926 King White. Produces gigantic flowers absolutely pure white.....	10	
3927 Loyalty. Blue striped waved.....	10	
3928 Margaret Atlee. Apricot pink on cream ground.....	10	
3929 Margaret Madison. Clear pale blue self.....	15	
3930 Marks Tey. Violet with bronze wings.....	10	
3931 Mascot's White. (New.) A large waved white of good substance.....	25	
3932 Masterpiece. Clear lavender self, slightly flushed rose on standard.....	15	
3933 Miss Burnie. White, tinged with pink.....	10	
3934 Mrs. Cuthbertson. Standard is light rose pink, wings white flushed pale rose pink.....	10	
3935 Mrs. E. Cowdy. A rich deep maroon self.....	15	
3936 Mrs. Hugh Dickson. A pale salmon pink on cream ground, stronger grower.....	10	
3937 Mrs. Routzahn. Buff or apricot ground flushed and suffused with delicate pink.....	10	
3938 Mrs. Tom Jones. (New.) Bright delphinium blue flower (20 seeds).....	25	
3939 Mrs. W. J. Unwin. White ground, glowing orange scarlet flakes and stripes.....	15	
3940 New Buttercup. A deep cream.....	15	
3941 New Miriam Beaver. Soft shell salmon pink on cream ground lightly overlaid with soft hydrangea pink.....	15	
3942 Nubian. Fine chocolate self waved.....	10	
3943 Picture. (New.) Color fresh pink with a rosy flush, the whole suffused and shaded with creamy apricot (20 seeds).....	40	
3944 R. F. Felton. The best lavender.....	10	
3945 Rosabelle. A very large bright waved rose.....	15	

3957 VAUGHAN'S SPECIAL MIXTURE, Spencer Varieties.

This mixture is one we make ourselves from named sorts of the late flowering ruffled or spencer varieties and a few of the early flowering ruffled. The result will be a gorgeous display of wonderful blossoms for a long period of time if cultural directions are followed in planting seed and subsequent care in watering. Pkt., 10c; oz., 25c; ¼ lb., 85c; lb., \$3.00.

3958 Spencer Hybrids in splendid mixture. Pkt., 5c; oz., 15c; ¼ lb., 50c; lb., \$1.80.

10 Best Sweet Peas

3959 Our collection of 10 best Spencer Sweet Peas is so well and favorably known as not to need an introduction to our friends. It is sufficient to say the same care has been taken in making this selection as in former years, and we are confident they will more than please the purchaser.

Price, One (regular size) packet of each, 10 for 75 cents, postpaid.

We cannot make any change in varieties.

White—Constance Hinton	Bicolor—Blanche Ferry
Pink—Hercules	Rose—Miriam Beaver
Light Blue—Wedgewood	Purple—Marks Tey
Picotee Edged—Blue Picotee	Red—King Edward VII
Light Pink—Margaret Atlee	Maroon—Nubian

Sweet Peas

Spencer Varieties

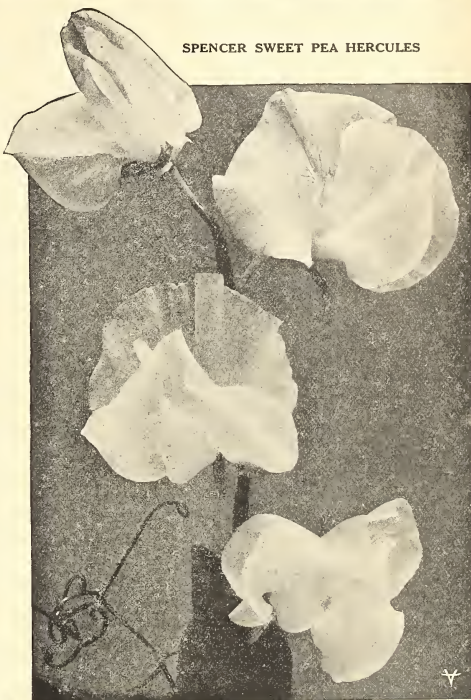
	Pkt.
3946 Royal Purple. The best purple	\$0 10
3947 Senator. Claret and chocolate stripe on light heliotrope ground	10
3948 Sincerity. A fine scarlet cerise flower	10
3949 Stirling Stent. A bright salmon colored flower	15
3950 Tennant. Rosy purple self color	10
3951 The Cardinal. Brilliant poppy scarlet	15
3952 The President. Brilliant rich dazzling orange scarlet	10
3953 Thomas Stevenson. Rich orange scarlet	15
3954 Vermilion Brilliant. A brilliant scarlet Spencer	15
3955 Warrior. Rich chocolate maroon	10
3956 Wedgewood. A clear azure blue	15

Early Flowering Spencer

A new race of Sweet Peas, having the large waved flowers of the Spencer type, but flowering fully one month earlier, they also continue to flower for a much longer period.

3960 Amethyst. This is the nearest to royal purple in color in the early flowering class	\$0 10
3961 Apricot Orchid. A delightful and charming shade	10
3961a Asta Ohn. A clear lavender	15
3962 Aviator. This is to our knowledge the best scarlet early-flowering sweet pea	10
3963 Bohemian Girl. Deep pink, shaded orange blush	10
3964 Blue Bird. A charming mid-blue self	15
3965 Cherry Ripe. Glowing cherry or salmon-cerise self	15
3966 Columbia. This is the most profitable pink and white early-flowering Sweet Pea. While it is not quite as early as the "Pink and White" (below) it produces 50 per cent more flowers	15
3967 Cream. Identical in color and size of blossom to Dobbie's Cream. It has immense blossoms very frilled and duplexed	10
3968 Fire King. Deep orange scarlet	10
3969 Gorgeous. Charming salmon rose	10
3970 Heather Bell. The color is a rich, but pleasing mauve	10
3971 Hercules. Of the same lovely shade of pink as Countess Spencer. Long stem and a free producer	10
3972 Liberty. Brilliant red	10
3973 Melody. Rose pink on white ground	10
3974 Miss Louise Gude. One of the largest and best in the shell pink class	10
3975 Morning Star. Deep orange scarlet or flame color in standard, with rich orange pink wings	10
3976 Mrs. A. A. Skaach. Flowers bright shell pink	10
3977 Mrs. Chas. A. Zvolanek. One of the largest and best clear lavenders	10
3978 Mrs. M. Spanolin. Black-seeded white	10
3979 Mrs. William Sim. Apricot pink	10
3980 Othello. Rich deep maroon	10
3981 Pink and White. Blanche Ferry type, extra	10
3982 Pres. W. Wilson. Magenta rose	10
3983 Robin Red Breast.	25
3984 Rose Charm. Bright rose, same color as Rosabella in the late spencer class	25
3985 Rose Queen. A splendid commercial pink	15
3986 Song Bird. Pale pink with a distinct tint of buff	10
3987 Songster. Giant early lavender	10
3988 Spring Maid. Light pink on a cream ground	10

SPENCER SWEET PEA HERCULES



**Flag
Collection**

Spencer Sweet Peas

No. 1 1 pkt. each, **King Edward VII.** (Red), **Constance Hinton** (White), **Wedgewood** (Blue), prepaid for 25c

No. 2 Mixed Red, White and Blue. 30c, pkt. 10c

	Pkt.
3989 Snow Flake. This is the best early-flowering white-seeded Spencer	\$0 10
3990 Snow Storm. A good early pure white for late planting	10
3991 The Beauty. The color is a very dark fiery rose	10
3992 Venus. Standard white, slightly blushed pink wings	10
3993 Warbler. Rich mauve purple	10
3994 Wedgewood. Magnificent clear blue	10
3995 White Orchid. White flowers of good substance	10
3996 Yarrowa. The color on opening is rose, changing as the flower develops to a light pink standard, tinted buff with blush wings	10
3997 Zvolanek's Blue. Very large, of the brightest blue, or Blue Jay color	10
3998 Zvolanek's Rose. One of the best rose pinks	25
3999 MIXED. Winter Flowering Spencers, many kinds	10

Best Home Garden Vegetables

By J. C. Vaughan

TOT everyone who is lucky enough to have a home garden realizes his good fortune. Some, perhaps, not understanding their opportunities, fail to enjoy their advantages to the full. But the home gardener, in his power to place on his table at a fraction of the market cost, vegetables of a quality which no market can offer.

One reason why that market growers are oftentimes unable to make table quality the first consideration in selecting their specialties, is the fact that the standard qualities of vegetables; and this frequently rules out the tenderest varieties. Another handicap to the market grower is popular custom, which leads a buyer to select only very standards of color and size. Though the reason for these standards is a belief that they insure quality, too often they defeat their aim.

Most gardeners can remember when Golden Bantam sweet corn first began to be known, and encountered opposition from the popular idea that all yellow corn was tough and tasteless. Doubtless thousands even now are ignorant of the fact that some of the tenderest and sweetest of all sweet corns have yellow grains and are the height of color and tenderness just when they have begun to reach that tint.

And many of those who know this, and who well understand that the midget Golden Bantam is not surpassed for table quality, would hesitate, we suspect, to pay the market price per bushel for its up and early standards of color offered them for sale. Such is the prejudice in favor of size, when we come to buy.

This brings us to another handicap of the market grower. He cannot produce successfully, save in exceptional cases, vegetables which deteriorate rapidly after being picked. And sweet corn is notably one of these. Government experiments have established that sweet corn begins to lose its sugar content immediately after being picked. In twelve hours after picking the sweetness in the ears are subjected to summer temperatures. By placing them on ice deterioration may be checked; but to enjoy to the full the delicious succulence of corn, it must be eaten within half an hour from the time it has been pulled from the stalk.

Now, only the home gardener can do this. If his garden plot be large enough a few rows of Bantam, and its big brother, Bantam Evergreen, will furnish the pleasantest of summer refreshment as seen on the table, such as money, though offered in princely sums in the most regal of our metropolitan restaurants, cannot buy.

When Root Crops Are Tenderest

SWEET corn, perhaps, is the most conspicuous example of the home gardener's advantage, but there is almost no vegetable, on the other hand, that does not deteriorate in some degree after being picked, and which is not better flavored if served very soon. Green peas, for example. The wonder of Laxtonian or Little Marvel peas, served June 1 or even a few days later, is well known (Chicago) is known in its full flavor only to the home gardener. The exquisite sweetness harbored in these wrinkled pellets, suffers with every hour that passes when they have been taken off the vine; and if they are obliged to lie in the hot sun in a green grocer's display window, the loss of quality which results is, to one who knows them at their best, a crime.

Peas also lose flavor rapidly, and those who are obliged to buy their supplies from the market have no knowledge of the delightful quality of Stringless Green Pod, Bountiful or Improved varieties. No home garden is too small for a row or two of these bush peas. The home gardener can serve will provide the main dish of a dinner as nourishing as any that can be planned.

Of the root crops much

the same is true. Deterioration is not so rapid, perhaps, but the home gardener may enjoy many of them at their best because he is able to harvest them as they grow, beets, and turnips, for example, are tenderest when about half the size at which they are usually marketed. The home gardener thins his rows, and prepares from the vegetables he puts up creamed carrots—Early Chantenay, perhaps; and those he leaves in the row will grow by autumn to be well worth storage care for the winter. Crosby's Egyptian Beets, let us say, harvested when in the infant stage and cooked with the tops as greens, will be a revelation to anyone not accustomed to a home garden.

When it comes to salad vegetables, whose crisp and spicy qualities are so important to the summer menu, the advantages of early sowing are not so great. Lettuce, radishes, endives, cucumbers, tomatoes, green onions, all may be kept easily on ice or freshened quickly in cold water, for which flat dwellers may give thanks. But the home gardener still has the advantage of being able to plant his garden with the choicest varieties, and include in his list of supplies a greater assortment than any green grocer carries.

Romaine and Other Lettuces

IN the case of head lettuce alone, the amateur gardener sometimes has difficulty equaling the quality attained by the professional grower; this is a question of fertilization and cultivation; and it may be said that once the home gardener has tried and learned the effect of a moderate dose of commercial fertilizers, he will never be without it. There is no other salad crop where, with reasonably good soil and plenty of water, the amateur gardener may not achieve the highest quality.

Grand Rapids, Black Seeded Simpson or Prizehead lettuce, will furnish a sure crop, which will last far into the summer, if successful plantings are provided; while Big Boston and All Seasons head lettuce will respond readily to the best care that can be given. The home gardener finds it difficult to grow head lettuce at its best, he may turn with assurance to Romaine, or Cos lettuce, which many good judges consider to be the best of the salad group. Head lettuce grows in upright loosely folded heads, and the leaves are bleached by tying the heads up. Express Cos is recommended for northern gardens.

Among the radishes the home gardener may take his choice, and plant a succession of the different types—red or white, round or long. He may suit his individual taste, whether for mild or hot flavor; and may so plan as to harvest one the other variety each week, until after frost, when the winter varieties, including the giant Chinese Mammoth, are at their best.

Endive is a salad rarely sold in the markets, but the home gardener will find it easy to grow, and an excellent addition to the menu. In order to avoid a bitter flavor, which some like, but most persons dislike, it is best to bleach the heads by tying them up, and this is most successfully done after a light frost, endive being at its best in the fall. Green Curled Summer is the standard variety for use, and a well bleached head is a thing of beauty as well as a delight to the palate.

So-called French endive, or Witloof Chicory, provides a delicious water salad, when the roots are forced in a warm cellar.

Cucumbers cannot be spared from the salad combination, and the home gardener may enjoy specimens of a quality rare, indeed, in the market. The English cucumber is round and slender, have long been the models of cucumber quality. By crossing with white spine varieties, which are not so common in this country, there has been produced The Vaughan cucumber, which will bear in the home garden, as well as in the greenhouse, fruits of remarkable length, slenderness and uniform size.

Tomatoes must be chosen with the requirements of the grower in mind. So unexacting are the vegetable's demands as to soil that the home gardener may grow what he will. Choose Earliana or John Baer for early. Ponderosa if plant size is wanted in the main crop, or New York if smooth roundness is preferred, while Dwarf Stamen and Dwarf Champion, both with upright treelike growth, are economical of room, if space is considered; and their fruits of good size and even shape, are excellent.

Cabbages and Chard

CABBAGES are becoming recognized as excellent additions to the diet, and in particular the Chinese cabbage of the type known as Pe Tsai, illustrated on the back cover of this catalogue. It is a beautiful variety.

Slender with compact, well bleached heads; and its crisp, mild flavor makes a dish equally as good as any lettuce and a slaw. The seed should be sown late, just in time to get a good start before the dry weather comes, then with attention through the dry spell, they will mature when cooler weather comes. Savoy cabbages are also of the highest quality, both for salad and for cooking.

Kohlrabi is a crop which the home gardener can grow in the autumn, and has been called a root crop, which grows above the ground; and will be especially welcome to those who like turnips, but cannot succeed with them. It grows in the autumn, and is grown to avoid woodiness. Another vegetable which is eaten in infancy is the turnip, which is becoming popular in this country. This is a squash, which should be planted in the autumn, while the outside skin may be easily broken by the finger. It is a vegetable which is mashed, baked or fried like egg plant. In the latter form it is as delicious as egg and it is far easier to grow.

Swiss chard, a vegetable which no home garden should be without, grows to be obtained in the markets. The home gardener who wishes to plant too much of it, because a row of twenty feet will furnish a whole season's supply, should plant it often as he wishes to cut it.

QUANTITY OF SEED REQUIRED FOR PLANTING.

Vegetables.	Seed Required for		Distance for Plants		Ready for Use from Seed in about
	100 Ft. Row.	One Acre.	In Rows	Rows Apart.	
Artichoke	1 oz.	6 ozs.	2 ft.	3 to 4 ft.	8 mos.
Asparagus	2 1/2 oz.	1 to 2 ft.	3 to 4 ft.	3 to 4 ft.	3 to 4 yrs.
Beans, Bush	1 qt.	1 1/4 bush.	6 in.	2 to 4 ft.	43 to 65 days
Beans, Pole	2 pt.	10 to 12 qts.	3 ft.	4 ft.	65 to 90 days
Beet, Tail	1 oz.	1 lb.	1 ft.	1 1/2 ft.	60 to 75 days
Beet, Mangel	1 oz.	3 lbs.	8 in.	2 to 2 1/2 ft.	150 days
Broccoli	1-3 oz.	2 ozs.	2 ft.	2 1/2 ft.	4 mos.
Brussels	1 oz.	1 oz.	2 ft.	2 1/2 ft.	100 to 120 days
Cabbage, early	1-3 oz.	2 ozs.	18 in.	2 1/2 ft.	100 to 120 days
Cabbage, late	1-3 oz.	6 ozs.	2 1/2 ft.	3 ft.	125 to 180 days
Carrot	3 to 4 lbs.	3 to 4 lbs.	1 ft.	1 1/2 ft.	100 to 120 days
Cauliflower	1-3 oz.	2 ozs.	2 ft.	2 1/2 ft.	100 to 135 days
Celery	1-3 oz.	2 ozs.	6 in.	3 to 4 ft.	125 to 150 days
Corn, Saladin	1/2 pt.	1 to 100 hill	12 to 14 in.	3 to 4 ft.	65 to 100 days
Corn, Sweet	1/2 pt.	8 qts.	2 to 3 ft.	1 in.	65 to 100 days
Cress	1/2 oz.	2 to 3 lbs.	2 to 4 in.	4 ft.	30 to 40 days
Cucumber	1 oz.	2 lbs.	2 to 4 in.	4 ft.	60 to 120 days
Egg-Plant	1-3 oz.	4 ozs.	2 1/2 ft.	3 ft.	100 to 120 days
Endive	1 oz.	4 lbs.	1 ft.	1 1/2 ft.	50 to 75 days
Kale	1 oz.	2 to 3 lbs.	1 ft.	1 1/2 ft.	100 to 120 days
Kohlrabi	1-3 oz.	4 lbs.	1 ft.	1 1/2 ft.	75 days
Leek	1 oz.	4 lbs.	6 in.	1 1/2 ft.	120 to 160 days
Lettuce	1 oz.	10 lbs.	1 ft.	1 1/2 ft.	65 to 100 days
Melons, Musk.	1/2 oz.	2 to 3 lbs.	4 ft.	5 ft.	115 to 140 days
Melons, Water.	1 oz.	5 lbs.	8 ft.	8 ft.	120 to 140 days
Okra	1 oz.	10 lbs.	1 ft.	1 1/2 ft.	100 to 120 days
Onion	1 oz.	5 to 6 lbs.	3 in.	1 ft.	135 to 150 days
Parley	1/2 oz.	10 to 15 lbs.	4 in.	1 1/2 ft.	100 days
Peas	1 oz.	5 to 6 lbs.	2 to 4 in.	2 to 4 ft.	125 to 150 days
Peas	1 to 2 pts.	2 bu.	2 to 4 in.	2 to 4 ft.	50 to 75 days
Pepper	1-3 oz.	7 to 10 lbs.	2 ft.	2 ft.	140 to 150 days
Potato	1 qt.	7 to 10 bu.	2 to 4 in.	2 to 4 ft.	90 to 120 days
Pumpkin	1 pkt.	4 bu.	8 ft.	8 ft.	100 to 120 days
Radish	1 oz.	8 to 10 lbs.	2 to 4 in.	1 1/2 ft.	50 to 50 days
Spinach	1 oz.	10 lbs.	4 in.	15 in.	30 to 60 days
Squash	1 oz.	5 lbs.	3 ft.	4 ft.	100 to 75 days
Squash, Late	1 oz.	4 lbs.	3 ft.	4 ft.	100 to 125 days
Tomato	1 oz.	2 to 4 ozs.	4 ft.	4 ft.	100 to 125 days
Turnip	1/2 oz.	2 lbs.	6 in.	1 ft.	60 to 75 days

When the grower sows humus or vegetable matter, it may be economically supplied by plowing under growing cover crops. Animal fertilizers will be the best, but the use of a most beneficial effect upon the mechanical condition of the soil. They add humus and tend to make the ground loose and friable. They restore to the soil those elements which are washed away from it, and the most surest remedy for the soil's sterility, the most available form, and free from weed seeds or other trouble breeders.

**PLANT
THE BEST**

For the Vegetable Garden

**PLANT
THE BEST**

The best seeds are the cheapest. The comparatively small investment in seed, as compared with labor and other expenses necessary to produce vegetables, make it unwise to plant anything but the best. Vaughan's Seed Store sells the best seeds as cheaply as they can be sold. We have proved this for 44 years.



THE SEED SUPPLY FOR 1921.

America now produces seed of most garden vegetables of the very best types. Only a few special strains of Radish, Onion, Herbs and the like are procured from expert seed growers in Europe or in the Orient; wherever, here or abroad, the best are harvested or obtainable, in that district Vaughan's Seed Store are contract growers or are direct importers from first hands.

In buying Vaughan's Seeds, therefore, you are getting the best

Cut one year roots two years after planting;
two or three year roots, year after setting.
Ask for Free Cultural leaflet.

ASPARAGUS ROOTS AND SEEDS

EARLY GIANT ARGENTEUIL—Famous Parisian Asparagus. grows to large size, vigorous and fairly free from rust; superb flavor. Our seed is from one of the largest plantations near Paris.

Pkt., 10c; oz., 15c; $\frac{1}{4}$ lb., 35c; lb., \$1.00.

BONVALLET'S GIANT—Equally good, grown white or green. The white grass is produced by planting deeper than for green, the stalks being cut underneath the tips show above the ground. Bonvallet's Giant is now planted by the market growers in the Middle West to the exclusion of almost all others on account of its extreme vigor and rust resistance. Usually it produces a crop a year in advance of other sorts. Moreover, the cutting period is longer than other sorts, as stalk-crowns do not divide until quite tall. This variety is a selection made by a veteran French grower from a healthy, vigorous plant which had resisted the blight of rusts which had destroyed the balance of a large field of Argenteuil Asparagus. Our strain has been improved each year by careful selection.

Price: Pkt., 10c; oz., 20c; 2 ozs., 35c; $\frac{1}{4}$ lb., 50c; lb., \$1.50.

PALMETTO—Standard light green. Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 25c; lb., 75c.

COLUMBIAN MAMMOTH WHITE—Large semi-white shoots—without earthing up. Pkt., 10c; oz., 15c; $\frac{1}{4}$ lb., 35c; lb., \$1.00.

CONOVER'S COLOSSAL—A large, fast growing variety.

Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 25c; lb., 75c.

QUALITY VEGETABLES FOR THE HOME GARDEN

A noted French seedsman once made the remark: "The American people eat with their eyes," meaning large size and high color had more to do with the popularity of varieties in our country than tenderness or flavor. The home gardener can and should produce much better vegetables than he can buy. Below we give a list of the better flavored and more tender vegetable varieties:

Asparagus—Bonvallet's Giant.
Beans—Stringless Green P. d.,
Bountiful Green Pod, Wardwell's
Kidney Wax, Round Pod Kidney
Wax, Fordhook Bush Lima.
Beets—Vaughan's Fire ball,
Vaughan's Select Detroit.
Cabbage—All Head, Glory of Enk-
housen, Chinese or Pe-Tai, Im-
proved American Savoy, Vaughan's
Black Diamond.
Carrot—Chantenay, Nantes.
Cauliflower—Snowball.
Celery—Vaughan's Select, Golden
Self Blanching, Easy Blanching.
Sweet Corn—Golden Bantam,
Bantam Evergreen, Black Sugar,
Country Gentleman.
Cucumber—The Vaughan.
Lettuce—Grand Rapids Leaf, Way-
ahead, Big Boston.
Muskmelon—Emerald Gem, Mil-
waukee Market.

Watermelon—Kleckley Selects,
Tom Watson.
Onion—Southport Yellow Globe,
Eastern Wonder.
Pepper—Sweet Upright Salad,
Magnum Dule.
Peas—Little Marvel, Laxtonian,
Gradus, Dwarf Defiance, Alderman.
Parsley—Vaughan's XXX.
Parsnip—Vaughan's Marrowfat.
Potatoes—Early Ohio, Nebraska,
New Globe, Stone, Dwarf Stone,
Napoleon (Small Fruited).
Turnip—Purple Top Milan, Purple
Top White Globe.
Rutabaga—Bangholm.

the world affords and—for 1921—at the lowest prices seeds of the Vaughan quality have been sold for in several years.

Don't fail to write us for prices on quantities if you require larger lots than are here priced. We will quote as low as our stocks permit.

We invite you to write us for samples of our specialties. See Chinese Cabbage, Vaughan's Cucumber, French Endive, Bantam Evergreen Corn, Vaughan's Special Onions.

To kill asparagus beetle, mix 10 parts flour
1 Heilbore; dust with it. Insecticides—After
cutting, Arsenate of Lead or Paris Green.

NEW ASPARAGUS Washington

Rustproof
We are pleased to be able to offer seed of this new American strain of giant asparagus. It is the first result of a plant-breeding campaign started by the United States Department of Agriculture to produce a rust resistant asparagus. Rust resistant and vigorous plants selected from thousands have been crossed with a single male plant "Washington" and most careful re-selection practiced. We urge all, and especially commercial growers, to give this a thorough trial.

Pkt., 25c; oz., 40c; $\frac{1}{4}$ lb., \$1.25; lb., \$4.00. 2-year old roots, doz., 60c; (by mail, 68c); per 100, \$3.00; (by mail, \$3.50).

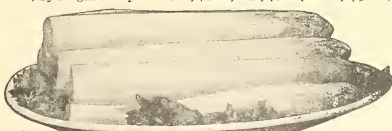
ASPARAGUS ROOTS

	1-Year Old		2-Year Old		3-Year Old	
	Doz.	100	Doz.	100	Doz.	100
Bonvallet's Giant	\$0.30	\$1.50	\$1.00	\$5.00	\$2.25	\$15.00
Barr's Mammoth50	2.25	15.00	.75
Argenteuil (Giant)50	2.25	15.00	.75
Conover's Colossal30	1.75	12.00	.50
Columbian Mam'th40	2.00	14.00	.50
Palmetto25	1.35	10.00	.30

If by mail add (Doz., 5c) (Doz., 8c) Roots and transplants,
postage as follows: (100, 35c) (100, 50c) By express only.
Extra heavy 3 year old transplants for forcing and immediate results. Barr's
Mammoth, Argenteuil and Bonvallet's Giant, doz., \$1.00, \$100, \$3.50; 1000, \$27.50.
Other Sorts, doz., 75c; per 100, \$3.00; per 1000, \$25.00.

ARTICHOKE

GREEN GLOBE—Perennial, large-flowering heads, cooked like Asparagus.
Matures second year; not hardy in the North. Pkt., 10c; oz., \$1.00.
JERUSALEM ARTICHOKE ROOTS—Best hog food known. Easily grown.
Three bushels plant an acre, enough to keep 20 to 30 hogs from October to April.
Cut and plant like potatoes. Lb., 35c; 3 lbs., \$5.00.
Chicago, freight or express, Pk., 85c; bu., \$2.50; bbl., (2 $\frac{1}{2}$ bu.), \$5.50.
New York, by freight or express. Pk., \$1.00; bu., \$3.00; bbl. (2 $\frac{1}{2}$ bu.), \$6.50.



BONVALLET'S GIANT

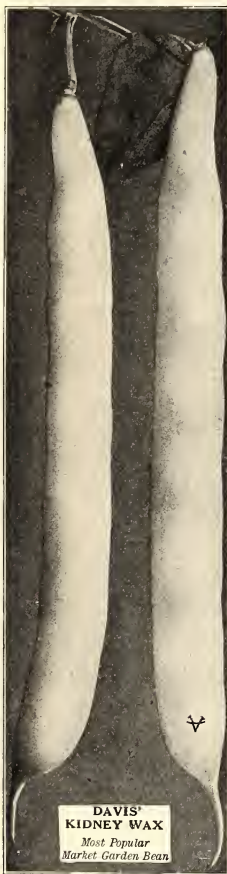
It may please you to know that every plant, shrub and seed I sent to you for last spring came in splendid shape. Everything grew and gave entire satisfaction.
MRS. J. R. HOLTON, Shevlin, Minn.

PLANT THE BEST

Plant Beans, they are a Staple Food
and one of the best
Garden Products.

WAX SORTS

VAUGHAN'S



DAVIS KIDNEY
WAX

DAVIS KIDNEY WAX

Vines vigorous and very prolific, bear handsome waxy white pods 7 inches long; the finest appearing of all early wax beans. To make this variety entirely rust proof we select constantly and with great care. The dried beans are kidney-shaped, clear white, splendid for baking; but grown for Snap Beans they should be used while young, when they are free from strings. Pkt., 10c; lb., 35c; 2 lbs., 65c; 10 lbs., \$2.50.



SURE CROP WAX

Black Seed. An extra early, perfectly stringless flat Wax Bean. The pods are large and of a golden yellow color, which they assume while still very small. Hardy and prolific. Pkt., 10c; lb., 35c; 2 lbs., 70c; 10 lbs., \$2.75.

ROUND POD KIDNEY WAX

Is early, of vigorous growth with heavy stringless vines; pods are long, round and entirely stringless; have fine flavor and are edible to the very tips. One of the best of the round pods.

Pkt., 10c; lb., 35c; 2 lbs., 70c; 10 lbs., \$2.75.



DON'T hoe
Beans immediately after a rain,
wait till the soil
dries out. Beans
hoed after rain
are more liable
to rust.

Hoes priced
on page 128.

DAVIS'
KIDNEY WAX
Most Popular
Market Garden Bean

CURRIE'S GOLDEN WAX

Early, hardy, nearly rust-proof. Long, golden yellow pods, crisp and tender. The seed is black. A much planted sort. Pkt., 10c; lb., 35c; 2 lbs., 65c; 10 lbs., \$2.50.



HODSON WAX

The greatest yielder of garden varieties. Season medium early, vines bear a mass of long straight pods, resembling the Davis Wax. Pkt., 10c; lb., 35c; 2 lbs., 65c; 10 lbs., \$2.50.



CHALLENGE BLACK WAX. Early; pods tender and stringless; seed black. Pkt., 10c; lb., 35c; 2 lbs., 65c; 10 lbs., \$2.50.

STRINGLESS REFUGEE WAX. Very productive; pods long, stringless and brittle. Pkt., 10c; lb., 35c; 2 lbs., 70c; 10 lbs., \$2.75.

PROLIFIC BLACK WAX. Very early; prolific long pod, Pkt., 10c; lb., 35c; 2 lbs., 65c; 10 lbs., \$2.50.

Our bean "packets" contain a very liberal amount of seed. The price of 10c includes postage. When purchased at our store or sent by express, to equalize the difference in mailing cost, the packages contain more seed. The prices above, except for pkts., lb. and 2 lbs. do not include postage.

The crop of Dwarf Beans the past season was a good one with a decreased acreage. The supply of seed is ample for all requirement, and prices are reasonable. For actual table and food purposes there is no vegetable offers as much to the Amateur Gardener as Beans.

Larger quantities of single kinds at 10-lb. rate.

Write or ask for special prices on 50 to 100-lb. lots and over of one or more kinds. Plant Vaughan's.

PENCIL POD BLACK WAX

Bushy vines, very prolific, 15-inches high, bear round, thick, stringless, rich yellow pods, 6 to 7 inches long, containing black seed of excellent quality; a splendid sort for the home garden. Pkt., 10c; lb., 35c; 2 lbs., 65c; 10 lbs., \$2.50.



WARDWELL'S KIDNEY WAX

In western prairie soil this sort is at its best, and gives most gratifying results. The pods are 7 inches long, flat, brittle, stringless, straight, finely shaped, a beautiful yellow, distinct and attractive; they make delicious eating. A good yielder; good in the home garden, and profitable for the market grower. Pkt., 10c; lb., 35c; 2 lbs., 70c; 10 lbs., \$2.75.



WEBBER WAX

A Bean of the same season and utility as Wardwell's Wax and Davis' Kidney Wax. The pod is long, handsome, bright yellow in color. Seed yellow. Harder and more prolific than Wardwell's. Pkt., 10c; lb., 35c; 2 lbs., 70c; 10 lbs., \$2.75.

IMPROVED GOLDEN WAX

A medium early and heavy cropper, on vines of vigorous bushy growth, a good rust-resister. The pods are golden yellow, fleshy and solid, brittle, waxy texture, excellent for home and market garden. They have an exquisitely rich butter flavor, make fine eating. May be sown any time to early fall, with good crop assurance.

Pkt., 10c; lb., 35c; 2 lbs., 65c; 10 lbs., \$2.50.



IMPROVED GOLDEN WAX

GENERAL LIST—WAX VARIETIES

VALENTINE WAX. Second early, prolific; pods yellow. Pkt., 10c; lb., 35c; 2 lbs., 70c; 10 lbs., \$2.75.

GOLDEN EYE WAX. Early, large flat pods. Pkt., 10c; lb., 35c; 2 lbs., 65c; 10 lbs., \$2.50.

VIOLET FLAGEOLET WAX. Resists rust; pods large, flat yellow. Pkt., 10c; lb., 40c; 2 lbs., 75c; 10 lbs., \$3.00.

MICHIGAN WHITE WAX. A white seeded high quality Golden Wax type. Pkt., 10c; lb., 35c; 2 lbs., 70c; 10 lbs., \$2.75.

MONSTER STRINGLESS WAX. Crop failed.

MAMMOTH YOSEMITE WAX. Crop failed.

WARDWELL'S
WAX

Only half the pleasure of a garden is in its beauty—the other half is in its tending.

BUSH BEANS

GREEN
SORTS

NOTICE—We offer Beans and Peas this year by the pound, instead of punts, etc.
1 lb. is a little more than 1 pint.
2 lbs. is a little more than 1 quart.

PLANT
THE BEST

We call particular attention to and recommend the following varieties, all "Vaughan Specials," stock seed of which we have bred on our own farms. For the Home Garden; in was varieties—Wardwell's Kidney Wax, Improved Golden Wax, and Round Pod Kidney Wax; in Green Pods—Stringless Green Pod, Improved Red Valentine, Bountiful and Stringless Refugee. For market varieties read the descriptions. Write for prices on 100-lb. lots and upward.



STRINGLESS GREEN POD

The great leader in green pods for general purposes; it is early, and very prolific, the vines bearing long, round, straight, thick, meaty pods, free from strings or fiber; rich deep green color, very attractive and of excellent quality, which has placed it in great favor and ever gaining popularity. For succession, plant every two weeks, until September. Pkt., 10c; lb., 30c; 2 lbs., 60c; 10 lbs., \$2.25.

GIANT STRINGLESS GREEN POD

An immense type of "Earliest Improved Valentine" and nearly as early. The pods have all the excellent qualities of the original with much greater size, which greatly improves the appearance. A splendid succession sort to Stringless Green Pod. Pkt., 10c; lb., 30c; 2 lbs., 60c; 10 lbs., \$2.75.

SUTTON'S MASTERPIECE

The best of the greenhouse forcing beans. Also valuable as an exhibition sort. The pods are flat like Bountiful, but larger and thinner. Early in season and a heavy yielder. Pkt., 15c; 1 lb., 45c; 2 lbs., 80c; 10 lbs., \$4.00.

LONGFELLOW—(Round Pod)

Very handsome, nearly stringless, beautiful green pods, 7 to 8 inches long, straight and round, very prolific. These elegant pods are delicious when cooked, and are unexcelled for the home garden, they ripen uniformly. Plants are 14 to 16 inches high—for market gardeners this is a most profitable sort. Pkt., 10c; lb., 25c; 2 lbs., 50c; 10 lbs., \$2.00.

PYROX a combination of Arsenate of Lead and Bordeaux is an indispensable insecticide and fungicide. See page 126.

IMPROVED EARLY RED VALENTINE

Is very hardy and early, germinates in cold ground where other sorts would not. Vines are about 15 inches high, yield well; pods are round and fleshy and eaten when young are of good quality;

seed is red spotted. The demand for a hardy, early bean of good quality, has established reputation for this excellent sort. For market garden and home use it is an easy winner of early trade. It has always been profitable and dependable. Vaughan's Seed Store, offers Improved Red Valentine in a package with great confidence; it always makes good. Pkt., 10c; lb., 30c; 2 lbs., 60c; 10 lbs., \$2.25.



RED VALENTINE—The Earliest Green Pod Bean

OTHER LEADING GREEN POD BEANS AND SHELL BEANS

The prices for packets, and one and two pound lots, include free delivery in first three zones. For postage rates on larger lots see inside back cover. Any of the following, except where noted. Pkt. 10c.

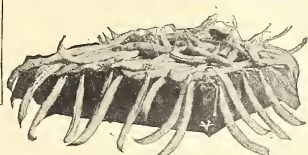
EXTRA EARLY REFUGEE, similar to the Refugee; two weeks earlier. Lb., 30c; 2 lbs., 60c; 10 lbs., \$2.25.

ENGLISH BROAD WINDSOR. An English Dwarf Bean, eaten shelled, best of class. Lb., 40c; 2 lbs., 75c; 10 lbs., \$3.50.

DWARF HORTICULTURAL. Late heavy yielding. Flat yellow pods spotted with red. Lb., 35c; 2 lbs., 65c; 10 lbs., \$2.50.

EARLY MOHAWK. Productive, long flat pods. Early, rather stringy. Lb., 30c; 2 lbs., 60c; 10 lbs., \$2.25.

Larger quantities than 10 lbs. of All Beans supplied at 10-lb. rate. Write for prices on 100 lbs. and up.



VAUGHAN'S BOUNTIFUL STRINGLESS

BOUNTIFUL STRINGLESS

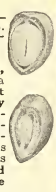
FLAT POD

A "Long Yellow Six Weeks," improved by earlier growth, hardiness, and more prolific yield. The pods are better, larger, more tender than the original, and in addition are very handsome, an important feature for exhibitions. They have a distinctly fine quality which makes them desirable, useful and profitable for either home or market garden planting. Pkt., 10c; lb., 30c; 2 lbs., 60c; 10 lbs., \$2.25.



BLACK VALENTINE

It is not as early as "Improved Red Valentine," the original strain from which this was developed and improved, but it is suited to both early and late planting; its hardiness overcomes light frost. The pods are a third longer than Red Valentine, and grow in clusters perfectly straight and round. This is one of Vaughan's specials which has gained great popularity, having many splendid qualities, including handsome appearance, which makes it a business winner for market growers. Pkt., 10c; lb., 25c; 2 lbs., 50c; 10 lbs., \$2.00.



Improved Red Valentine in a package with great confidence; it always makes good. Pkt., 10c; lb., 30c; 2 lbs., 60c; 10 lbs., \$2.25.

REFUGEE OR 1000 TO 1

A producer of remarkably large crops. Compared with Valentine it is similar in general qualities, with pods a third longer and tapering to a point; they are perfectly round. Pkt., 10c; lb., 30c; 2 lbs., 60c; 10 lbs., \$2.25.

FULL MEASURE

A new main crop variety of bush bean—a Stringless Round. Green Pod Bean. Pkt., 10c; lb., 35c; 2 lbs., 65c; 10 lbs., \$2.50.

BLACK LEAF 40 is a sure destroyer of Aphis or Green Fly and all sucking insects. Keep a careful watch for lice (aphis) under the leaves of your beans and spray with Black Leaf 40 immediately you find any. Full directions on package. See page 126.

EARLY ROUND POD. Six weeks. Early sort for market. Good yield. Lb., 30c; 2 lbs., 60c; 10 lbs., \$2.25.

EARLY YELLOW SIX WEEKS. Similar to round sort with flat pods. Lb., 30c; 2 lbs., 60c; 10 lbs., \$2.25.

IMPROVED NAVY. Fine field sort. Lb., 15c; 2 lbs., 25c; 10 lbs., \$1.25. Write for 100-lb. prices. We meet market.

WHITE KIDNEY. Shell beans. Lb., 30c; 2 lbs., 60c; 10 lbs., \$2.25.

RED KIDNEY. Lb., 25c; 2 lbs., 50c; 10 lbs., \$1.85.

TRIUMPH OF THE FRAMES. Small, French bean. Good under glass. Crop failed.

WHITE MARROW. Good shell bean. Lb., 30c; 2 lbs., 60c; 10 lbs., \$2.25.

STRINGLESS
GREEN POD

PLANT THE BEST

Beans are priced by the lb. this year.
1 lb. is a little more than 1 pint.
2 lbs. are a little more than 1 quart.

NEW WONDER BUSH LIMA



LIMA BEANS can be baked just as readily as the Boston Beans and they are even more delicious. Plant a row or two of Henderson's Bush. They are smaller than other Limas, free from disease and great yields.

LIMA AND

NEW WONDER BUSH LIMA

THE IDEAL BUSH LIMA

The recognized standard of bush lima bean quality, so considered by critical experts of highest authority. For general purposes **Vaughan's Strain** of this splendid sort has now come to be used in all gardens where Bush Limas are planted. Plants are large, prolific, compact and long bearing, maturing in mid-season; the pods are very uniform, slightly curved and usually contain three seeds. **Vaughan's New Wonder**, bred from one of the earliest bush limas, is a greatly improved sort in compactness, little tendency to make runners, and in earliness. Pkt., 10c; lb., 45c; 2 lbs., 85c; 10 lbs., \$3.75.

FORDHOOK BUSH LIMA BEAN

Is the old "Dreer," "Kummerle" improved. This new sort grows very erect, does not come in contact with the ground as did the older sort, named above; pods are twice the size of the "Kummerle" and contain 4 to 5 large, thick, beautiful green beans. In contrast to the old sort, which was dry and mealy, this new **Fordhook** is tender, sweet and juicy; a richly palatable bush lima bean. Pkt., 10c; lb., 50c; 2 lbs., 90c; 10 lbs., \$4.00.

BUSH LIMA—Burpee's. Bush 15 to 20 inches high, 24 to 30 inches diameter, large white seeds thick stems furnish fine support; very productive and splendid quality. Pkt., 10c; lb., 45c; 2 lbs., 85c; 10 lbs., \$3.75.

BUSH LIMA—Dreer's. Dwarf variety of Dreer's Improved Lima; does well in dry seasons; pods contain 4 to 5 beans of fine flavor; 150 to 200 pods on a single plant shows its prolific growth. Pkt., 10c; lb., 45c; 2 lbs., 85c; 10 lbs., \$3.75

BUSH LIMA—Henderson's. Crop reliable, very productive, compact form, free from mildew. Pkt., 10c; lb., 40c; 2 lbs., 75c; 10 lbs., \$3.00. Write for prices on 100-lb. lots or larger on any kind.

IMPROVED BUSH LIMA—BURPEE'S.

This improved **Burpee's** has larger pods and beans than the original. The vines are heavier and produce larger pods than "New Wonder"—and they mature a week earlier. **Vaughan's** strain of this excellent sort gives the greatest satisfaction to patrons. Pkt., 15c; lb., 50c; 2 lbs., 90c; 10 lbs., \$4.00

POLE LIMAS EARLY LEVIATHAN

Exceptionally valuable for early maturing. It equals the main crop varieties for large pods; clusters of 5 to 8 grow together and they are full of fine beans of excellent flavor. Growers familiar with "Sieberts Early" or "Jersey" will like results they can get with "Early Leviathan." Pkt., 10c; lb., 35c; 2 lbs., 70c; 10 lbs., \$3.00.

SIEBERT'S EARLY LIMA.—Hardy, early and an enormous producer, a grand variety for northern climates. Pods are dark green, medium long, well filled with 3 or 4 large beans. Pkt., 10c; lb., 35c; 2 lbs., 70c; 10 lbs., \$3.00

KING OF THE GARDEN. A climber that blooms and produces to end of season. Uniform pods, 5 to 8 inches long, filled with beautiful beans of superior quality. Pkt., 10c; lb., 35c; 2 lbs., 70c; 10 lbs., \$3.00.

An ounce of beet seed is generally sufficient for a home garden. It requires from 5 to 6 lbs. to sow an acre.

We maintain a thoroughly up-to-date seed laboratory equipped with the latest scientific seed testing devices under the care of an expert trained at the U. S. Dept. of Agriculture at Washington, D. C.

VAUGHAN'S

CROSBY'S EGYPTIAN The Most Popular Early Beet



CROSBY'S EGYPTIAN

This is a beet famous both for shape, color and quality. **Vaughan's** strain, always selected to maintain and improve shape and uniformity, flavor and other excellent qualities has secured for this variety a wide and growing popularity; based solely on merit. **Vaughan's Crosby** beet is very early; has deep red color; is smooth and tender, has sweet flesh that is richly palatable.

To retain earliness it should be grown with greatest care—it is worth the attention it demands; market gardeners have proved that **Vaughan's Crosby's Egyptian** beet, is splendid for bunching, attractive in size and excellent in general appearance, a money-making combination for thrifty progressive growers.

VAUGHAN'S SELECTED STOCK.

Pkt., 10c; oz., 20c; 2 oz., 35c; $\frac{1}{2}$ lb., 55c; lb., \$1.75. By express, 5 lbs., \$7.50.

STANDARD STOCK.

Pkt., 10c; oz., 15c; $\frac{1}{4}$ lb., 30c; lb., \$1.00. By express, 5 lbs., \$4.00.

VAUGHAN'S FIRE BALL

"A READY SELLER AT GOOD PROFIT"

Always a splendid sort whether your gardening is done for profit or for pleasure. It has no superior in quality, in some respects no equal; it is a "fancy trade" builder. It is early, maturing with "Crosby's Egyptian," has fine globe shape, deep red color and the flesh is solid and very sweet. The tops are small and do not hasten rapid bunching, but small tops permit closer planting than sorts with larger tops. **Vaughan's "Fire Ball"** is very handsome and highly satisfactory for home use.

Pkt., 10c; oz., 20c; 2 oz., 35c; $\frac{1}{2}$ lb., 55c; lb., \$1.75; 5 lbs., \$8.00.

LONG SMOOTH DARK BLOOD.

Long, slender roots seldom more than 2 inches through, matures rather late, but is an excellent keeper. Flesh is dark red, sweet and tender.

Pkt., 10c; oz., 15c; $\frac{1}{4}$ lb., 30c; lb., \$1.00. By express, 5 lbs., \$4.00.

HALF LONG BLOOD. A splendid winter sort, half the length of "Long Smooth Dark Blood," but equally heavy, because thicker. Always smooth, rich dark red; flesh sweet, tender and crisp. Never woody.

Pkt., 10c; oz., 15c; $\frac{1}{4}$ lb., 30c; lb., \$1.00. By express, 5 lbs., \$4.00.

Please tell us if we may substitute in case variety ordered by you is sold out.

N. B. Read Inside Back Cover Showing What We Prepay.

POLE BEANS

Pole Beans are well worth the extra labor required in furnishing supports. They have quality, are large in size, bear longest, and are heavy producers.

**PLANT
THE BEST**

CARPINTERIA POLE LIMA

HIGHEST STANDARD IN POLE LIMA QUALITY

**DON'T MISS
THIS ONE**

Many expert growers declare Vaughan's "Carpinteria" is the most "perfect Pole Lima Bean." The exceptionally fine quality of this strain is shown in the beautiful green tint, of the large, handsome shaped beans, which fill the rich colored, attractive pods. The velvety green tint of the beans remains, long after they have become dry, which proves the enduring high quality inherent with this exceptional pole lima bean. Vaughan's "Carpinteria" is as prolific as any white lima; the vines are strong and vigorous, having many stalwart runners bearing great quantities of elegant pods, each containing usually four big, full, fat, juicy beans of delicious flavor. For market-gardeners, Vaughan's "Carpinteria" Pole Lima Bean offers a big money-making opportunity. Pkt., 15c; lb., 45c; 2 lbs., 90c; 10 lbs., \$3.75.

FORD'S MAMMOTH. Pods grow in large clusters, and contain from 5 to 7 good beans, edible, green or dry. Pkt., 10c; lb., 35c; 2 lbs., 70c; 10 lbs., \$3.00; (larger quantities at 10-lb. rate).

CHALLENGER or DREER'S IMPROVED. Thick pods, good size and flavor. Pkt., 10c; lb., 35c; 2 lbs., 70c; 10 lbs., \$3.00; (larger quantities at 10-lb. rate).

LARGE LIMA. Very attractive. Pkt., 10c; lb., 35c; 2 lbs., 70c; 10 lbs., \$3.00.

EXTRA EARLY JERSEY LIMA. Pkt., 10c; lb., 35c; 2 lbs., 70c; 10 lbs., \$3.00.

IDEAL POLE LIMA. Excepting only "Carpinteria," this is best for market in Central States and where main crop can mature. Pods are large, some 8 inches long. Pkt., 10c; lb., 35c; 2 lbs., 70c; 10 lbs., \$3.00.

Need
Support



POLE BEANS

Need
Support



Larger quantities than 10 lbs. at 10 lb. rate, for 100 lb. prices write us.

KENTUCKY WONDER WAX. The best pole wax bean for northern planting; it is similar in habit of growth to "Kentucky Wonder Green Pod," and bears as early, or when about as high as the average bush bean. Pods are beautiful golden yellow, and so fleshy that often the thickness surpasses the width; make delicious eating. Pkt., 15c; lb., 45c; 2 lbs., 90c; 10 lbs., \$3.75.

EARLY GOLDEN CLUSTER WAX. Long, stringless; fine quality; pods in clusters; pure white seeds. Pkt., 15c; lb., 45c; 2 lbs., 90c; 10 lbs., \$3.75.

BURGER'S STRINGLESS GREEN POD. Small, white bean; good for baking; long bearing vines. Pkt., 10c; lb., 35c; 2 lbs., 65c; 10 lbs., \$2.75.

WHITE CREASEBACK. Early; long, round, green, stringless tender pods; white beans. Pkt., 10c; lb., 35c; 2 lbs., 70c; 10 lbs., \$2.75.

KENTUCKY WONDER OR OLD HOMESTEAD. Green pod. The old reliable Green Pod Pole Bean. The most widely and universally planted of all the pole varieties. The pods are fleshy, saddle backed, green, 7 to 10 inches long and stringless when young. Kept picked, they bear throughout the season. Pkt., 10c; lb., 35c; 2 lbs., 65c; 10 lbs., \$2.75.

DUTCH CASEKNIFE. Early, long, green, flat pods; white seeds. Pkt., 10c; lb., 35c; 2 lbs., 70c; 10 lbs., \$3.00.

HORTICULTURAL CRANBERRY. For cool climate; early; flat green pods, white seeds; good snap or shell. Pkt., 10c; lb., 35c; 2 lbs., 65c; 10 lbs., \$2.75.

LAZY WIFE. Good shell beans; long, thick, stringless pods. Crop very short. Pkt., 10c; lb., 45c; 2 lbs., 85c; 10 lbs., \$3.75.

SCARLET RUNNER. Ornamental, bright red flowers; good snap bean. Pkt., 10c; lb., 40c; 2 lbs., 80c; 10 lbs., \$3.50.

YARD LONG or French Asparagus Bean, pkt., 15c. New and Rare Foreign Beans cannot offer this season.

BEEF TOPS

Be sure to sow a row of Beef Seed for "Tops." There is nothing more delicious than Beef Tops cooked like spinach, when young and served in the same way. Eclipse is a good variety for this purpose. Sow thickly.

BEETS

Our customers will find our special strains of Beet like Crosby's Egyptian (Selected Stock), Fireball, Crimson Globe and Detroit without a superior. Choicest Beet Seeds are offered here at bargain prices. Don't fail to sow a row of Swiss Chard or Spinach Beet. See page 47.

For the home garden you should plant for early use Crosby's Egyptian or Fireball, and for late and main crop Detroit Dark Red.

CRIMSON GLOBE—SECOND EARLY MAIN CROP

This is a splendid sort; is extensively planted for second early and main crop purposes; is medium size, about 10 inches around, globe shape, uniform, without rootlets and perfectly smooth. Foliage is small, rich, purple-bronze color. Flesh is rich blood red, sweet, tender and never stringy. Sow Vaughan's Beet Seed. Pkt., 10c; oz., 20c; ¼ lb., 35c; lb., \$1.25.

DETROIT DARK RED TURNIP—MAIN CROP

Unequaled as a big cropper everywhere. Vaughan's strain of this perfect turnip-shaped beet, produces best quality, biggest crops and most profit for growers. Perfect turnip-shape, small tap root, small upright tops—fine for market bunching. Skin, dark blood red, flesh, bright red, sweet, tender and delicious. A friend in any garden for home or market.

Vaughan's Selected Stock. Pkt., 10c; oz., 20c; ¼ lb., 55c; lb., \$1.85; by express, not prepaid, 5 lbs., \$8.00.

STANDARD STOCK. Pkt., 10c; oz., 15c; ¼ lb., 35c; lb., \$1.10; by express, 5 lbs., \$4.50.

BASSANO. One of the earliest, flesh tender, white and rose in color, flat. Pkt., 5c; oz., 10c; ¼ lb., 30c; lb., \$1.00; by express, 5 lbs., \$4.50.

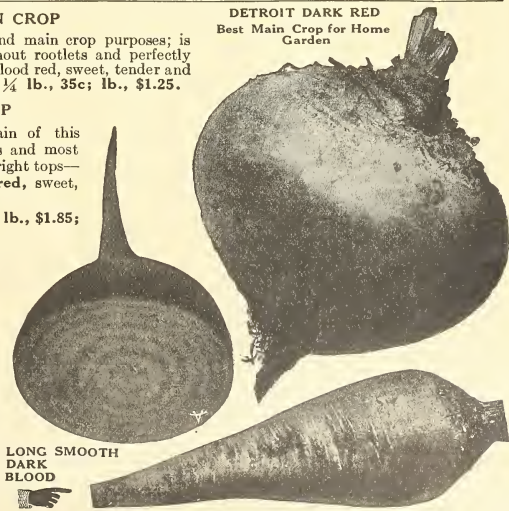
DEWING'S EARLY BLOOD TURNIP. Good color, smooth. Pkt., 5c; oz., 10c; ¼ lb., 25c; lb., 90c; by express, 5 lbs., \$3.50.

ECLIPSE. Roots globular, small tap root. Flesh dark red, zones lighter shade, very sweet, crisp and tender, especially when young. Pkt., 10c; oz., 15c; ¼ lb., 30c; lb., \$1.00; by express, 5 lbs., \$4.00.

ELECTRIC. Early as Egyptian, well liked in Eastern markets. Is almost round, leaves small, color very dark rich crimson. Pkt., 10c; oz., 15c; ¼ lb., 30c; lb., \$1.00; by express, 5 lbs., \$4.00.

IMPROVED EARLY EGYPTIAN. The best variety for forcing and first early crop. Roots very dark red, rounded on top, flat beneath, small tops. Pkt., 10c; oz., 15c; ¼ lb., 30c; lb., \$1.00; by express, 5 lbs., \$4.00.

DETROIT DARK RED Best Main Crop for Home Garden



**LONG SMOOTH
DARK
BLOOD**

OUR FREE DELIVERY See inside back cover page explaining FREE DELIVERY to first three postal zones FOR 5 CENTS PER POUND MORE WE PREPAY TO ALL ZONES

See Pages 50, 51 for Mangels, Spoking Beets, (Stock Roots)

PLANT THE BEST

Since the foundation of our firm 44 years ago, the house of Vaughan has been famous for cabbage seed. We know by trial comparisons that there is none better.

EARLY JERSEY WAKEFIELD



VAUGHAN'S
SELECTED
STOCK

CHARLESTON WAKEFIELD

This sort matures a few days later than "Early Wakefield," with heads much larger and uniform. Very popular with Southern growers; it does well on heavy soil. Pkt., 10c; ½ oz., 20c; oz., 30c; 2 oz., 60c; ¼ lb., \$1.00; lb., \$3.50.

EARLY WINNIGSTADT—Sure to head, regular, conical shape, very hard and hardy, a good keeper winter or summer, one of the best for general use. Best imported seed only. Pkt., 10c; ½ oz., 15c; oz., 25c; ¼ lb., 85c; lb., \$3.00.

EXTRA EARLY EXPRESS—Compact, round thick leaves forming an oval head, remarkably large for size of plant—thicker and less pointed than Jersey Wakefield; matures a short time later. Pkt., 10c; oz., 25c; 2 ozs., 45c; ¼ lb., 85c; lb., \$3.00.

EARLIEST ETAMPES—Not quite so hard but fully as large as Express, which it resembles. Excellent quality. Sold as "Earliest of All," "Wonderful," etc. Buy Vaughan's seed to get best results. Pkt., 10c; ½ oz., 15c; oz., 25c; ¼ lb., 85c; lb., \$3.00.

EARLY YORK—Heart-shaped, small head, firm and tender, may be planted 15 to 18 inches apart. Pkt., 10c; ½ oz., 15c; oz., 25c; ¼ lb., 80c; lb., \$2.75.

VAUGHAN'S

EARLY OBLONG SORTS

Vaughan's Select Early Jersey Wakefield

This extra early, conical-shaped head cabbage is the best early, for planting in the United States. Earliness and hard heading in this variety are most important to growers.

Early Jersey Wakefield Cabbage is a specialty with us, and to secure the best seed on our growing farm, we spare no expense. We confidently offer the best Early Jersey Wakefield Seed that money can buy anywhere. Successful growers everywhere in the United States plant Vaughan's Seed and get results that spell prosperity.

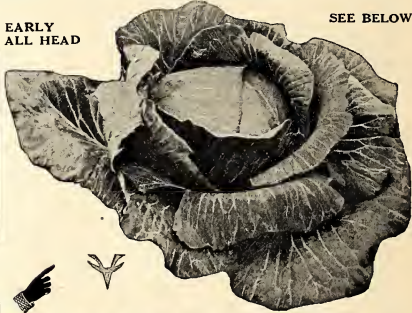
More seed of this sort is planted in the United States than of all other varieties of the same type together. The heads are hard, the outside leaves small, so that close planting is possible.

Buy Vaughan's Cabbage Seed—plant the best.

Pkt., 10c; ½ oz., 20c; oz., 30c; 2 ozs., 60c; ¼ lb., \$1.00; lb., \$3.50.

EARLY ALL HEAD

SEE BELOW



FLAT AND ROUND SORTS

ALL HEAD EARLY OR FAULTLESS. Amateur growers who plant only one variety should select this one. This sort matures large, uniform heads of handsome appearance and unsurpassed quality for eating. It has few outer leaves, permitting close planting; for general purposes it is excellent; amongst kraut growers it is the most popular, because the largest possible tonnage per acre can be produced. Vaughan's seed of this sort is Long Island grown—produced by the expert who originated this variety.

Pkt., 10c; ½ oz., 15c; oz., 25c; 2 ozs., 45c; ¼ lb., 85c; lb., \$3.00.

EARLY FLAT DUTCH. Sure solid header; weighs 10-12 pounds each head, even size, matures about same time as "Early Summer," a standard Early; it stands long without bursting; as second early it is one of the best.

Pkt., 10c; ½ oz., 15c; oz., 25c; 2 ozs., 45c; ¼ lb., 80c; lb., \$2.75.



SUCCESSION

SUCCESSION

A favorite with market gardeners. Heads are large, slightly flatter than "Early Summer," are two weeks later, but run more uniform; heads are solid, keep well, and have splendid quality. Color is a beautiful light green; a grand second early.

Pkt., 10c; ½ oz., 15c; oz., 25c; ¼ lb., 85c; lb., \$3.00.

LATE FLAT DUTCH. Smaller than "Premium Flat Dutch," sometimes a little better keeper. Pkt., 5c; ½ oz., 15c; oz., 25c; ¼ lb., 75c; lb., \$2.50.

FOTTLER'S IMPROVED BRUNSWICK Comes in much earlier than "Premium Flat Dutch." A dwarf growing sort with very large early heads, and is valuable both as Second Early and for winter use; it is much planted by gardeners. The heads are flat and solid with few outer leaves—light green. Pkt., 10c; ½ oz., 15c; oz., 25c; ¼ lb., 80c; lb., \$2.75.

NEW EARLY FLATHEAD—(New Early Spring). Has the thick heavy leaves of "Jersey Wakefield," of which it is a product, crossed with "Succession," it is of dwarf habit, with leaves slightly rounded; season about the same as "Wakefield." Pkt., 10c; ½ oz., 15c; oz., 25c; 2 ozs., 45c; ¼ lb., 85c; lb., \$3.00.

EARLY SUMMER (NEW YORK) The heads are round and flattened. A very popular variety for early market; in season it follows right after "Jersey Wakefield." The heads are of fair size, very compact and solid, the quality is good, it has large outer leaves, has an attractive appearance, being tinged with a peculiar shade of blue.

Pkt., 10c; ½ oz., 15c; oz., 25c; ¼ lb., 85c; lb., \$3.00.

Slug Shot prevents cabbage worms. Use it freely. See insecticides, page 126.

COPENHAGEN MARKET

The earliest large round or flat-head sort. The ripening is early and uniform, maturing at one time and almost with Early Jersey Wakefield. Considering its early season, the heads are remarkably large, averaging ten pounds in weight. One of its chief features is compactness; its leaves, which are light green, are dish-shaped and fold tightly together; it is so solid that many more plants can be grown on an acre than is possible with most sorts. It has few outer leaves, which permits close planting, and it grows close to the ground on a short stem. Earliness, compact growth, large heads and high quality have made this new Cabbage the most popular early variety. Pkt., 10c; ½ oz., 20c; oz., 35c; 2 ozs., 65c; ¼ lb., \$1.15; lb., \$4.00.

CHINESE CELERY CABBAGE

OR PE-TSAI See Back Cover and Novelties

This new Celery Cabbage has become very popular on the market; it is a delicate and dainty table vegetable either shredded as slaw, cooked as other cabbage or trimmed to be eaten as celery. It should be grown like late cabbage planting in July, "turnip planting time," earlier planting runs quickly to seed. Sow in drills 16 to 20 inches apart, then thin the seedlings two or three times.

Pkt., 10c; ½ oz., 30c; oz., 50c; 2 ozs., 95c; ¼ lb., \$1.60; lb., \$5.50.

OUR FREE DELIVERY { See Inside Back Cover Page Explaining FREE DELIVERY to First Three Postal Zones. For 5 cents per pound more WE PREPAY TO ALL ZONES.

CABBAGES

Some growers use Tobacco Dust for cabbage worms and prefer it to Slug Shot. Both are good. See page 126.

**PLANT
THE BEST**

FLAT AND ROUND SORTS

VAUGHAN'S ALL SEASONS

This special, Vaughan's Cabbage, although really an early, is suited to every growing season; under most trying and adverse conditions it is nearly always a sure header.

Even when planted very late it keeps well, and is of much better quality than the big ribbed winter sorts. The heads are large and solid, leaves small ribbed; matures about same time as "Early Summer" with larger head. In our trial grounds, the habit and growth of this sort have been noted as described, when grown side by side with other sorts, through many successive seasons.

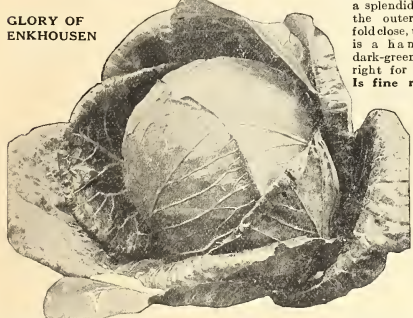
Quality for eating is splendid, and is not excelled by any cabbage. Pkt., 10c; ½ oz., 15c; oz., 25c; ¼ lb., 85c; lb., \$3.00.

GLORY OF ENKHUSEN A PROFITABLE EARLY VARIETY

Has achieved great popularity in a few seasons, as the most important cabbage introduction in years.

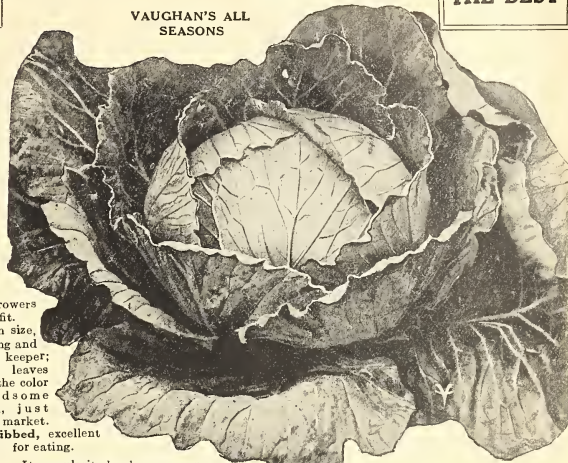
For market growers, or private gardens it is very valuable, and growers who cater to high-class trade, find it a ready seller at a good profit. Exceptional merit is the reason. It is early, globe shape, medium size.

GLORY OF ENKHUSEN



sure heading and a splendid keeper; the outer leaves fold close, the color is a handsome dark-green, just right for market. Is fine ribbed, excellent for eating.

VAUGHAN'S ALL SEASONS



Its popularity has been proven

in many market growing centers, and has become standard and a money-maker for enterprising progressive gardeners. Plant Vaughan's seeds and prosper.

Pkt., 15c; ½ oz., 20c; oz., 35; ¼ lb., \$1.15; lb. \$4.00.

USE SLUG SHOT as a preventive, ARSENATE as a cure for cabbage worms. See page 126

DANISH SUMMER BALLHEAD

A Second Early of superb quality; it resembles "Winter Ballhead" but is smaller and slightly flat on top; the outer leaves are inclined to be curly, the ribs are very fine in the leaves, which are light green in color, and have a delicate flavor suggestive of Savoy cabbage; the heads are hard, long keepers. This cabbage is gaining a place amongst the early sorts.

Pkt., 10c; oz., 35c; 2 ozs., 65c; ¼ lb., \$1.15; lb., \$4.00.

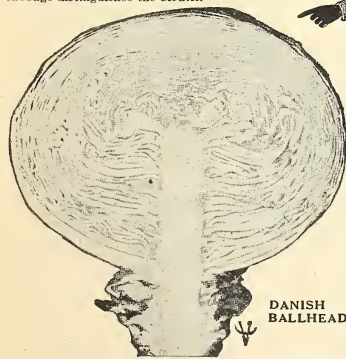
MAIN CROP VARIETIES

VAUGHAN'S SELECTED STOCK

DANISH BALLHEAD, TALL

VAUGHAN'S SELECTED STOCK

From Amager Island, Denmark, comes Vaughan's seed of this most famous and popular of winter cabbages. The seed is grown for us there and we sell it with confidence to our customers, not only because we know it is genuine, but also because we know it is the standard of highest quality and purity. Many trials have demonstrated this to be the best. This is the tall-stemmed strain, different than the short-stemmed "Hollander" or the "Dwarf Amager," the Danish grown strains of the "Hollander." The tall-stem of our Ballhead cabbage distinguishes the strain.



DANISH
BALLHEAD

Of the Flat-head varieties this large heading sort is the most popular; no other cabbage of this class is so universally planted. Seed may be sown in the open ground and plants raised without the use of hot-beds. Our seed produces immense solid heads, uniform, true, and of finest quality. Pkt., 10c; ½ oz., 15c; oz., 25c; 2 ozs., 45c; ¼ lb., 60c; lb., \$2.75.

I showed some vegetables at our County Fair last September and won first premium on your All Seasons Cabbage. Three heads weighed 35 lbs., and the largest I had of this variety weighed 15 lbs. W. B. KELLOGG, Alledo, Ill.

Use Commercial Manures. Livestock manures have been converted into garages and animal manures are scarce. Live stock has decreased over twelve million head in the past seventeen years. When you can't get all the manure you need, use Commercial Fertilizers. They furnish the same elements of food, but in more concentrated form; see page 136 for prices.

Rapid Growth is of immense importance in Vegetable gardening. With the aid of fertilizers the gardener may be able to harvest several crops from the same ground in a year. Try Nitrate of Soda, 1 oz. to 2 gallons of water, applied to your cabbage when a foot high; the result will surprise you.

VAUGHAN'S PREMIUM FLAT DUTCH



PREMIUM
FLAT
DUTCH

Brighten the garden with flowers. Our wonderful Gladiolus and Cannas make splendid and continuous displays.

PLANT THE BEST

In the famous cabbage growing districts of Wisconsin, New York and Michigan, **DUTCH WINTER** or **HOLLANDER** is used almost entirely. IT IS AN EXCELLENT SHIPPER.

VAUGHAN'S

DUTCH WINTER or HOLLANDER

As a "late spring" seller, no other sort stands near this excellent cabbage, of fine quality. The heads are medium size, averaging about **8 pounds**, very solid, have a distinct, white color; coming out as fine and as perfectly solid in the spring, as when put away in the fall; its exceptional keeping quality is a notable characteristic. Pkt., 10c; ½ oz., 20c; 1 oz., 30c; 2 ozs. 60c; ¼ lb., \$1.00; lb. \$3.75.



DWARF AMAGAR or SHORT-STEMMED DANISH BALLHEAD

This variety is almost identical with "Dutch Winter or Hollander." We import our seed direct from Amagar Island, Denmark; and we supply one-year-old, proven stock, if wanted. Pkt. 10c; ½ oz. 20c; 1 oz. 30c; 2 oz. 60c; ¼ lb. \$1.00; lb. \$3.75.

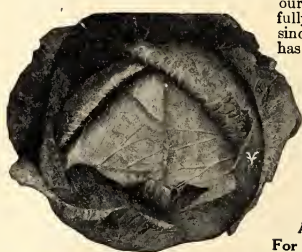
OTHER CABBAGES

BRIDGEPORT DRUMHEAD

The best Large Fall Shipping Cabbage in Existence. We introduced this variety over thirty years ago and our strain has been carefully selected every year since. The original type has been kept up and improved to a high degree of perfection. For slicing, for kraut or for general purposes, it has not superior.

Pkt. 10c; oz. 25c; ¼ lb. 85c; lb. \$3.00.

A Money-Maker
For Market Gardeners.



LARGE LATE AMERICAN DRUMHEAD. A selected strain in this Standard Winter Cabbage. Pkt. 10c; oz. 25c; ¼ lb. 80c; lb. \$2.75.

AUTUMN KING. Similar to Flat Dutch with ruffled leaves. Pkt. 10c; oz. 25c; ¼ lb. 80c; lb. \$2.75.

IMPROVED STONEMASON. A large solid, late Drumhead—popular in some sections. Pkt. 10c; oz. 25c; ¼ lb. 80c; lb. \$2.75.

LOUISVILLE DRUMHEAD. Very compact, short-stemmed, semi-flat, good quality. Pkt. 10c; oz. 25c; ¼ lb. 80c; lb. \$2.75.

MARBLEHEAD MAMMOTH DRUMHEAD. Late, about the largest cabbage grown. Pkt. 10c; oz. 25c; ¼ lb. 80c; lb. \$2.75.

THE LUPTON. A large head, but not spready, on a comparatively small plant, is the habit of this variety. It is characteristically strong of growth, and one of the best keepers; when taken out in the spring it is bright and fresh. Our seed is grown for us by the originator and will produce cabbages of the very best type. Pkt. 10c; oz. 25c; ¼ lb. 80c; lb. \$2.75.

DWARF
AMAGAR



Use Slug Shot for cabbage worms
See page 126

We offer only strains of Carrot Seed from such careful Growers whose stocks can be trusted for purity of type, color and form.

VAUGHAN'S

VAUGHAN'S SELECT DANVERS

This is a very popular and universally planted carrot. For a quarter of a century, our strain of this highly prized variety has seldom been equal in quantity to the public demand for seed. And in the years when seed has been plentiful, it has been planted almost exclusively.

While some varieties of carrots attract attention because of extreme sweetness, color or other feature, Vaughan's Select Danvers has all desirable qualities to a very marked degree of perfection.

In addition to its splendid edible qualities and fine appearance, its yield is greater per acre than that of any other sort; in size, shape, color, sweetness and flavor, it is ideal.

Danvers Select Stock—Pkt. 10c; oz. 25c; ¼ lb. 75c; lb. \$2.50.

HALF LONG DANVERS—Standard Stock—roots more pointed and slightly smaller than Vaughan's Select Danvers.

Pkt. 10c; oz. 15c; ¼ lb. 30c; lb. \$1.00; 5 lbs. \$4.50.

VAUGHAN'S CHICAGO FORCING. A FORCING STRAIN. It is similar in shape to "Chantenay," develops much earlier; has smoother roots, fine dark red color; before other sorts, it is a little delicate for market purposes; as a forcing sort, or for open ground as an early in home gardens it is fine. Excellent quality, fine short leaves, no core or heart.

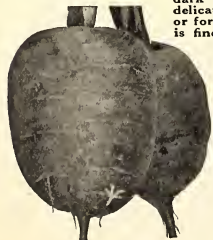
Pkt. 10c; oz. 25c; ¼ lb. 75c; lb. \$2.50.

Guerande or Oxheart

Is a variety of very rapid growth, each attains a weight of more than one pound. It is thick, 5 inches long, has very fine flavor and general good quality and tenderness which make it desirable.

Home and market growers find it the best second early, a little earlier and shorter than the Chantenay, good color.

Pkt. 5c; oz. 10c; ¼ lb. 30c; lb. \$1.00.



OXHEART



N. B.—Read inside back cover showing what we prepay.

CARDON. For salads and for soups. See page 22.

VAUGHAN'S SELECT DANVERS

CABBAGES

LATE OR MAIN
CROP SORTS

To those who never grow it "Savoy quality" is a revelation. Savoy Cabbage boiled, stuffed with sausage meat, is a dish to anticipate.

PLANT
THE BEST

VAUGHAN'S SURE HEAD

This is a large round flathead variety, uniform size and weighing 10 to 15 pounds each head. They are very solid and have fine quality. Our strain is most popular with market-gardeners and large growers—it is a **sure header**, in most unfavorable seasons.

Pkt. 10c; ½ oz. 15c; oz. 25c; 2 ozs. 45c; ¼ lb. 85c; lb. \$3.00.

HACO, EARLIEST ROUND RED, (New)

This new sort originated in Denmark, and the seed we offer was grown especially for us by the originator. After extensive field tests we have found it superior to all other varieties of red cabbage in earliness, productiveness and quality. The color is intense dark red throughout, the heads after being trimmed for market, average 3 lbs. each. **If you use Red Cabbage try this one.**

Pkt. 15c; ½ oz. 60c; oz. \$1.00; 2 ozs. \$1.85; ¼ lb. \$3.50.

RED CABBAGES

DANISH RED STONE HEAD. Hard, round, ball shaped heads, very compact and keep well. The color is so intense that a cross section shows almost no white. In sections where Danish White Cabbages like "Ballhead" do well, this will be found very valuable. Pkt. 15c; ½ oz. 35c; oz. 60c; 2 oz. \$1.00; ¼ lb. \$1.75; lb. \$6.00.

MAMMOTH ROCK RED—A sure header of good red color to the center. Pkt. 10c; ½ oz. 20c; oz. 35c; ¼ lb. \$1.15; lb. \$4.00.

ZENITH—A very fine medium early sort. Not large, good quality and fine color. Pkt. 10c; ½ oz. 40c; oz. 70c; ¼ lb. \$1.25; lb. \$4.50.

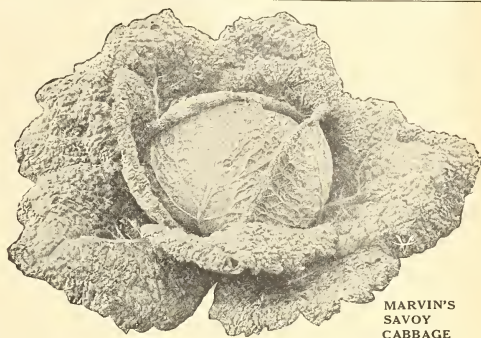
VAUGHAN'S BLACK DIAMOND—A new second season black-red variety. Head medium large, very firm, leaf rib thin and small; few outer leaves. Pkt. 10c; ½ oz. 25c; oz. 40c; 2 oz. 75c; ¼ lb. \$1.40; lb. \$5.00.

EARLY DARK REDERFURT.

Pkt. 10c; ½ oz. 20c; oz. 35c; 2 oz., 65c; ¼ lb., \$1.15; lb., \$4.00.

DARK RED DUTCH (Pkt., 10c; ½ oz., 20c; oz., 35c; 2 oz. 65c.

RED DRUMHEAD (¼ lb., \$1.15; lb., \$4.00.



MARVIN'S
SAVOY
CABBAGE

SAVOY CABBAGES

IRON HEAD SAVOY—Best of the early sorts. Round head large and solid. Quality excellent. Pkt. 10c; oz. 30c; ¼ lb. \$1.00; lb. \$3.50.

MARVIN'S SAVOY—A large solid head, very early. An almost sure header, most popular of this class. Pkt. 10c; ½ oz. 20c; oz. 30c; ¼ lb. \$1.00; lb. \$3.50.

EARLY ULM SAVOY—Very early sort. Pkt. 10c; oz. 25c; ¼ lb. 80c; lb. \$2.75.

ALL HEAD SAVOY—Conical head, fine quality. Early and solid.

Pkt. 10c; ½ oz. 20c; oz. 30c; ¼ lb. \$1.00; lb. \$3.50.

IMPROVED AMERICAN—Standard main crop sort.

Pkt. 10c; ½ oz. 20c; oz. 30c; ¼ lb. \$1.00; lb. \$3.50.

The home vegetable garden should be a "quality" garden. Select those varieties which produce the best flavored and the most tender types. The market gardener must raise vegetables which carry and look well when old; they are many times not the best eating sorts. See quality list page 11.

Dear Sirs:—We tried in demonstration work a peck of your Petosky Potatoes last year and found that they outyielded anything we grew with them. Very truly yours, C. D. SPROUT,
County Agent, Crawford County Farm Bureau, Meadville, Pa.

CARROTS

For home use and early bunching—Chantenay, Nantes and Ox Heart are best. For general crop plant Vaughan's Select Danvers; for forcing—use Vaughan's Chicago Forcing or Early Scarlet Forcing. 1 oz. sows 100 ft. row.

Carrots have medicinal qualities as well as food value. Nothing better for the youngsters. Plant more of them.



EARLY CHANTENAY

EARLY CHANTENAY

A Splendid Bunching Sort

A main crop variety, of reputation with market gardeners; very smooth, stump root, deep red color, fine grained, sugary, sweet; not liable to crack when growing, a fine table sort, and good cropper. Buy Vaughan's seed, it is carefully selected.

Pkt. 10c; oz. 15c; ¼ lb. 35c; lb. \$1.10; 5 lbs. \$4.50.

VERY EARLY SCARLET FORCING—(French Horn). Best variety for earliest forcing. Reddish orange colored roots, nearly round. When matured they are about two inches in diameter.

Pkt. 5c; oz. 15c; ¼ lb. 35c; lb. \$1.25; 5 lbs. \$5.50.

EARLY SHORT SCARLET—(Dutch Horn). Larger than French Horn and almost as early, stump rooted, 1½ inches thick, and about three inches long; fine grained, sweet flavored, color deep rich orange, and fine for bunching.

Pkt. 10c; oz. 15c; ¼ lb. 35c; lb. \$1.10; 5 lbs., \$4.50.

NANTES HALF LONG SCARLET—For extra sweetness, this is all by itself. It is of good shape and size. The leaves are fine and the roots almost cylindrical very smooth and grow about six inches long; the flesh is entirely red and very sweet and almost entirely without a core.

Pkt. 10c; oz. 15c; ¼ lb. 35c; lb. \$1.10; 5 lbs. \$5.00.

IMPROVED LONG ORANGE

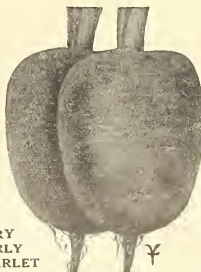
A well-known sort, roots long, thickest near the crown, tapering regularly to a point, color deep orange. It is a good keeper of fine quality for winter use, and extensively grown for stock feeding.

Pkt. 5c; oz. 10c; ¼ lb. 30c; lb. \$1.00; 5 lbs. \$4.50.

CARROTS FOR STOCK—The Mastodon, Long White Belgian and Orange Belgian, etc., see pages 50 and 51.

1 lb. Carrot Seed, Vaughan's Long Orange, \$1.00, will sow one half-acre, sufficient to produce, on good soil, 12 tons of carrots equal in feeding value for horses or cattle, to 150 bushels of oats.

VERY
EARLY
SCARLET
FORCING

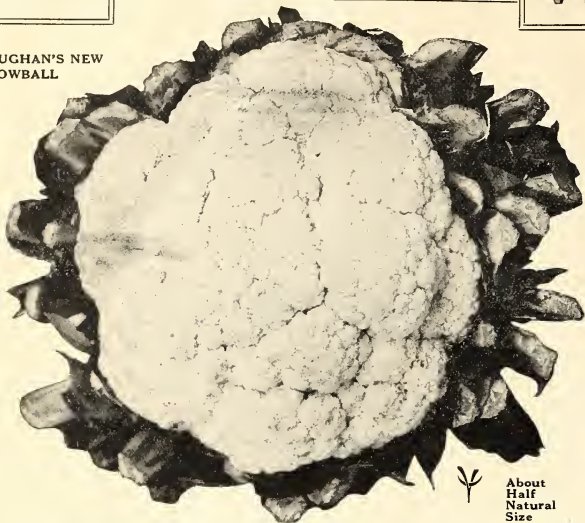


PLANT THE BEST

North Tonawanda, N. Y., Nov. 24, 1920.
I was delighted with your prompt service last season and all the seeds and bulbs I bought turned out extra fine. I have never had such a beautiful garden. MRS. J. W. CRAMER.

VAUGHAN'S

VAUGHAN'S NEW SNOWBALL



About
Half
Natural
Size

DANISH SNOWBALL. Later than Vaughan's "New Snowball"—A splendid second early; we take great care, and spare no effort to produce seed of this grand Cauliflower, that will give best results. Many of our customers (market growers) plant this sort year after year, and although not so early, nor as even as Vaughan's Snowball, it gives satisfying profit. The best bargain at this price in Cauliflower seed. Pkt., 20c; ¼ oz., 60c; ½ oz., \$1.00; oz., \$1.75; 2 oz., \$3.35; ¼ lb., \$6.50; lb., \$24.00.

Vaughan's Celery Manual. By a practical grower of 20 years' experience, revised and published by J. C. Vaughan. Price, postpaid, 25c. Mailed free, with any general vegetable seed order in packets or ounces amounting to \$2.00, if asked for.

GOLDEN SELF-BLANCHING

VAUGHAN'S SELECTED STOCK

The choicest sort of delicious celery; it excels all other yellow varieties. Dwarfed, larger bunches, with broad, heavy stalks, which blanch into a rich, appetizing, golden yellow, make this the favorite, most popular, golden celery on the market. Though the stalks are broader and heavier than the white varieties, the quality in sweetness, tender crispness, delicious flavor and absence of strings, make it a most delightful table necessity. It is by far the most planted, most desired and used of all high class celery. When you purchase Vaughan's Seed of Golden Self-Blanching Celery, you secure the very best seed of the very best sort of celery that skilful growing and exceedingly careful selection, cleaning etc., can produce. Our selected stock is grown for us in France, by the introducers. Large growers plant this; we have been supplying it to them for years—they get satisfying results.

We also have critical, experienced growers, producing seed for us in this country from our selected stock; this we sell at a lower price and it gives complete satisfaction.

Selected Stock (French grown). Pkt., 15c; ½ oz., 30c; oz., 55c; ¼ lb., \$1.75; lb., \$6.50.

American grown Seed. Pkt., 10c; ½ oz., 25c; oz., 50c; ¼ lb., \$1.35; lb., \$5.00.

GIANT GOLDEN HEART

This for winter storage is the best celery. Enjoys extensive popularity and always has done so since we introduced it years ago. It has unquestioned merit in quality, in flavor, sweetness, attractiveness, and size as well for keeping. It is a selection of the "Dwarf Golden Heart," but is larger.

Pkt., 10c; ½ oz., 15c; oz., 20c; ¼ lb., 60c; lb., \$2.00.

WINTER QUEEN

An excellent winter sort with double the amount of heart of any known celery. A beautiful plant of close habit and compact growth; crisp and has delicious nutty flavor; ribs perfectly solid and blanch to a beautiful creamy white. A most valuable variety for winter and spring, excels "Perfection Heartwell" as a late winter keeper, and is much thicker, stouter and heavier. Try it and it will be a favorite with you. A money-maker for the market grower.

Pkt., 10c; ½ oz., 15c; oz., 25c; 2 oz., 45c; ¼ lb., 75c; lb., \$2.50.

Please tell us if we may substitute in case any variety ordered by you is sold out.

VAUGHAN'S NEW SNOWBALL

For early out-door planting and forcing Vaughan's "New Snowball" Cauliflower is a strain of exceptional merit and value. In size, compactness and color it is ideal for market; a well grown head will measure 9-10 inches across and have depth in proportion, will be solid, and have a perfectly white core. Its habit is dwarf in growth, with great compactness and very early heading—earlier than any other sort being dwarf and compact means economy of space when forced in the hot-bed. For wintering over to early spring, for forcing during winter and early spring, and for early spring out-door planting, Vaughan's New Snowball Cauliflower is a peerless success. This strain is also extensively planted for late summer and fall market. We therefore commend this cauliflower, with the assurance that it will give satisfaction to those who have not yet tried it as it has to the many who have, amongst whom are hundreds of the most critical market gardeners, who pronounce it the greatest cauliflower success for general use—plant the best.

Pkt., 25c; ¼ oz., 75c; ½ oz., \$1.50; oz., \$2.75; ¼ lb., \$10.50.

VAUGHAN'S EARLIEST DWARF ERFURT. Before the advent of Vaughan's "New Snowball," Earliest Dwarf Erfurt was the standard of early Cauliflowers. In all respects it is similar to Vaughan's New Snowball, but a few days later. Many planters who grow Cauliflower extensively, plant this and Vaughan's Snowball, two varieties that mature in succession.

Pkt., 25c; ¼ oz., 70c; ½ oz., \$1.25; oz., \$2.25; 2 oz., \$4.25; ¼ lb., \$8.00; lb., \$32.00.

With young plants of Cauliflower as with Radish their growth must be quick and continuous. Hoe or rake the soil often. Our Nitrate of Soda (page 135) applied in liquid form, one ounce to one gallon of water, beginning when plants are well started will work wonders.



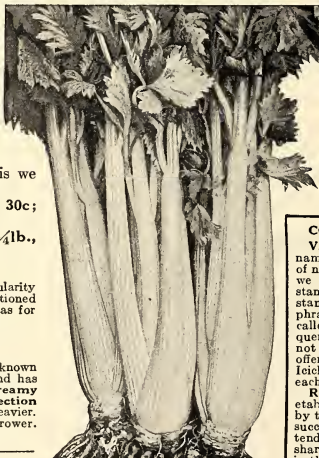
VAUGHAN'S

CHICAGO GIANT SELF-BLANCHING

A first, early celery introduced by Vaughan's Seed Store. A sort that can be put on the market ahead of any other variety. It is an Extra Early White variety; can be sown in February and marketed July 1st, a time of year

when fine celery is a table luxury. The whitest early celery, and very sweet, crisp, tender, brittle, with a delicious flavor, giving zest to every bite. It is extremely vigorous in growth, to the extent that its tendency is to throw out a small percentage of off plants. We spare no expense to keep it uniform.

Pkt., 10c; ½ oz., 20c; oz., 35c; 2 oz., 55c; ¼ lb., 90c; lb., \$3.50.



GOLDEN SELF-BLANCHING

CORRECT VEGETABLE NAMES

Vaughan's Seed Store never misnames its vegetables or flowers, whether of novelties or standard kinds. Although we do have improved strains of many standard kinds, we let the old name stand, though sometimes adding the phrase "Vaughan's Special." Many so called novelties are but old sorts masquerading under the new name. You will not find such in this book. When we offer and supply seed of Bantam Corn, Iceberg Radish or Vaughan's Cucumber each will be found the true types.

Rapid Growth is Desirable. Vegetables that are hastened in the growth by the use of fertilizers are usually crisp, succulent and palatable. Slow growth tends to cause a bitter flavor in lettuce, a sharp flavor in onion, and a pungent taste in the radish. Rapid growing vegetables usually bring the highest market price.

CAULIFLOWER

We pride ourselves on the germination of our Cauliflower seed. We re-clean and resit, selling high-growing, plump seed.

**PLANT
THE BEST**

DRY WEATHER CAULIFLOWER

This sort is grown to provide, as far as possible, against hot, dry-weather contingencies of crop failure. Where the more delicately bred varieties would succumb to unfavorable, warm weather conditions, this sort is very desirable, and no large acreage should be planted without giving a place to this. It is a very sure-header, heads larger than Snowball, and is snow-white and second early. Our seed is grown by the originator in Denmark. Plant the best. Pkt., 25c; $\frac{1}{4}$ oz., 75c; $\frac{1}{2}$ oz., \$1.50; oz., \$2.75; $\frac{1}{4}$ lb., \$10.50.

EARLIEST OF ALL

This is a Danish forcing strain of "Danish Snowball" a little smaller and a week to ten days earlier. It has very short leaves, and has been bred for first forcing under glass and in frames especially; very sure header. Our strain is pedigreed Danish seed.

Pkt., 25c; $\frac{1}{4}$ oz., 80c; $\frac{1}{2}$ oz., \$1.60; oz., \$3.00.

LARGE LATE ALGIERS. A vigorous late maturing variety for late fall use. Large heads.

Pkt., 10c; $\frac{1}{4}$ oz., 40c; oz., 75c; $\frac{1}{4}$ lb., \$2.25.

AUTUMN GIANT. In Southern localities this meets with favor as a large heading late fall sort.

Pkt., 10c; $\frac{1}{4}$ oz., 40c; oz., 75c; $\frac{1}{4}$ lb., \$2.25.

EXTRA EARLY PARIS. Very dwarf and early, for summer planting. Pkt., 10c; oz., 80c; $\frac{1}{4}$ lb., \$2.50.

HALF EARLY PARIS. Slightly larger and later than above. Pkt., 10c; oz., 80c; $\frac{1}{4}$ lb., \$2.50.

LENORMAND'S SHORT STEM. Bears large white heads on short stems.

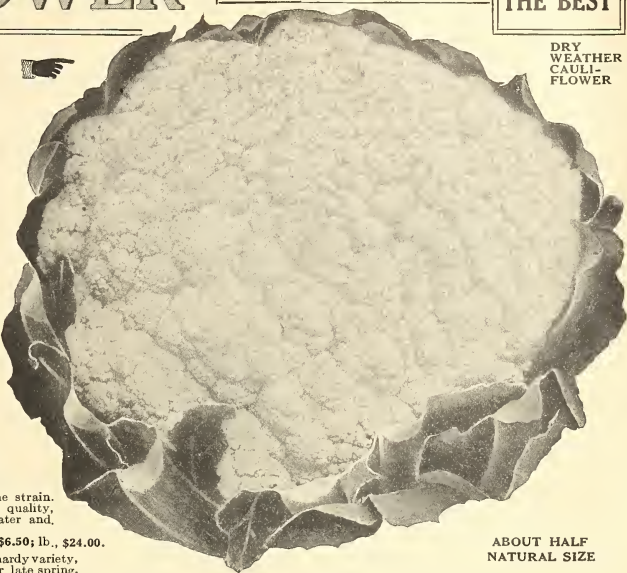
Pkt., 10c; oz., 75c; $\frac{1}{4}$ lb., \$2.25.

EXTRA EARLY OR SECOND ERFURT. A very fine strain, producing large, white, firm heads; close and of excellent quality. Dwarf, early, always certain to head, early or late. Later and larger than Earliest Erfurt.

Pkt., 20c; $\frac{1}{4}$ oz., 60c; $\frac{1}{2}$ oz., \$1.00; oz., \$1.75; $\frac{1}{4}$ lb., \$6.50; lb., \$24.00.

LARGE EARLY ERFURT. This is a vigorous growing, hardy variety, with large, white, firm heads. It is the very best sort for late spring.

Pkt., 15c; $\frac{1}{2}$ oz., 55c; oz., \$1.00; $\frac{1}{4}$ lb., \$3.75.



ABOUT HALF
NATURAL SIZE

CELERY



Celeriac or Turnip-rooted
Celery see page 22.
Chervil, see page 22.
Cress, see page 22.

For the Home Garden, plant for yellow—Golden Self-Blanching, Vaughan's Select Stock; for white—White Plume and Winter Queen.

GIANT PASCAL

The stalks are, very large and solid, crisp and of rich nutty flavor. It blanches very easily and quickly. The heart is golden yellow and has a very attractive appearance. For Fall and Winter, this is a splendid sort. It is a selection from "Golden Self-Blanching," and possesses many of the qualities of that strain, with the added value of keeping quality. It is certainly one of the best varieties owing to its splendid keeping quality and market-shaleness.

Pkt., 10c; $\frac{1}{2}$ oz., 15c; oz., 30c; $\frac{1}{4}$ lb., 80c; lb., \$5.00.

Rose Ribbed Self-Blanching

(Golden Rose.) A sort of Golden Self-Blanching possessing all its good qualities. The ribs assume a deep, warm, rosy hue.

Pkt., 10c; $\frac{1}{2}$ oz., 25c; oz., 50c; $\frac{1}{4}$ lb., \$1.35; lb., \$5.00.

STANDARD SORTS

Prices of these kinds: Pkt., 10c; $\frac{1}{2}$ oz., 15c; oz., 25c; $\frac{1}{4}$ lb., 60c; 1 lb., \$1.75.

EVANS' TRIUMPH. One of the best LATE sorts. Excellent quality and good keeper.

PERFECTION HEARTWELL. Magnificent, large, golden-yellow heart, of very superior quality; excellent winter market sort. Popular in New York.

SCHUMACHER. Immense size; solid; crisp; firm golden yellow heart; a fine keeper; very popular in Philadelphia and New York markets.

FAR SUPERIOR "MANY HEART." Late, very large and fine; popular in Philadelphia. Crop failure.

BOSTON MARKET. White and solid; very dwarf; crisp and tender.



WHITE PLUME

WHITE PLUME

Of the white varieties this is recognized the best. Amongst market growers it is popular because it has excellent marketable qualities, with consumers it is a favorite because of its crisp, tender, and altogether desirable eating qualities. Its habit of growth is vigorous, stalks are uniformly white, and large sized; as a seasonable variety it's a money maker for the market-gardener. We do not recommend it as a keeper, but wholly as a splendid sort in its season, for which it has the highest endorsements of professional growers. For fall and early winter White Plume Celery grown from Vaughan's seed is a trade-building, money-making sort.

Selected stock—Pkt., 10c; $\frac{1}{2}$ oz., 15c; oz., 30c; 2 oz., 55c; $\frac{1}{4}$ lb., 80c; lb., \$3.00.

DWARF GOLDEN HEART

Solid, shapely stalks; large heart, which blanches to a beautiful yellow, after storing. Popular in many celery-growing centers. It is a long-keeping "Golden Dwarf" of established merit. It is shapely and solid and requires little trimming. Pkt., 10c; oz., 25c; $\frac{1}{4}$ lb., 60c; lb., \$1.75.

EASY BLANCHING

A recent introduction of merit. It is a vigorous grower, of medium dwarf height, stalks thick, quality excellent. A most desirable variety for the amateur, as it blanches easily and is one of the best keepers. Second early, can be grown for winter and spring use.

Pkt., 10c; $\frac{1}{2}$ oz., 30c; oz., 50c; $\frac{1}{4}$ lb., \$1.25; lb., \$4.50.

FRENCH'S SUCCESS. A fine keeping Winter White Celery. Pkt., 10c; $\frac{1}{2}$ oz., 30c; oz., 50c; $\frac{1}{4}$ lb., \$1.25; lb., \$4.50.

SOUP CELERY OR SMALLAGE. Green foliage used for soups. Oz., 15c; $\frac{1}{4}$ lb., 40c; lb., \$1.50.

OE CELERY SEED. Used for flavoring. Oz., 10c; $\frac{1}{4}$ lb., 20c; lb., 65c.

We issue a 56 page Celery Manual—full of valuable information regarding soils, drainage, etc.—FREE with a \$2.00 order of vegetable seeds in packets or ounces if asked for.

Mr. Schenech, Elkhart, says the Vaughan Cucumber: "Best I have ever grown in thirty years—nearly all eighteen inches long. All brought the highest price in the market."

Only half the pleasure of a garden is in its beauty—the other half is in its tending.

PLANT THE BEST

NOTE — Witloof Chicory or French Endive furnishes a delicious salad all winter.

VAUGHAN'S RARER



BRUSSELS SPROUTS

BORECOLE—See Kale, p. 23.

BRUSSELS SPROUTS

Brussels Sprouts are miniature cabbages formed on a plant stalk. The delicate flavor is improved by a touch of frost. The culture is practically the same as for cabbage. For late use sow seed in June.

IMPROVED DANISH.

Hardy and a heavy yielder. A fine variety originated and grown in Denmark. Pkt., 10c; ½ oz. 20c; oz. 35c.

PARIS MARKET.

Half dwarf, excellent yielder. Pkt., 10c; oz. 20c; ½ lb., 60c; lb. \$2.00.

IMPROVED DWARF.

Dwarf habit and less liable to aphid than others. Pkt., 10c; oz. 20c; ½ lb., 60c; lb. \$2.00.

BROCCOLI

A vegetable similar to Cauliflower, of less delicate flavor, but hardier. Of value in northern latitudes, where Cauliflower does not do well.

Large White Mammoth. Good white heads. Pkt., 10c; ½ oz. 30c; oz. 50c.

Purple Cape—This has purplish heads and resembles the Algiers Cauliflower in habit of growth. Pkt., 10c; ½ oz. 30c; oz. 50c.



WITLOOF CHICORY

CORN SALAD—Field Salad

CORN SALAD. (Mache-Stiek, Salat.) A most refreshing salad. Hardy, much used in Winter in place of Lettuce. Sow either in Spring or Fall. Pkt., 10c; oz. 15c; ½ lb., 40c; lb., \$1.40.



GARDEN CRESS OR PEPPER GRASS.

CURLED GARDEN. Used with Lettuce, it adds an agreeable pungency. Pkt., 5c; oz. 15c; ½ lb., 35c.

UPLAND CRESS. Has highly prized flavor of Water Cress. Green all year; ready for use before any other salad. Pkt., 5c; oz. 20c; ½ lb., 50c.

WATER CRESS. (Wasser Kresse; Cresson.) The pleasant flavor of Water Cress makes it one of the most delicate salads. It grows where there is a good supply of pure fresh water, it can also be grown in tubs of good soil in a shady place, if plenty of water is given it. Directions with each packet of seed. Pkt., 15c; ½ oz. 30c; oz. 55c; ½ lb., \$1.75; lb., \$6.00.

DANDELION. (Lewenzahn; Dent-de-Lion.) Cultivated for spring greens, is fast gaining favor. Our thick or cabbage leaved variety is best; unlike common sorts, almost double usual size. Pkt., 15c; ½ oz. 70c; oz. \$1.25.

I would like to say a word of praise for your seeds etc., which I have handled the last twelve years with excellent results. EDWARD BOUTLER, Winnetka, Ill.

CELERIAC—Turnip Rooted Celery

This vegetable deserves much wider cultivation, it has real merit. Cooked and prepared as a salad it is very desirable; it has a rich, meaty, distinct celery flavor. It may also be cooked as are turnips and parsnips. People who like celery flavor will approve Celeriac. The roots keep well in winter—recipies for preparing enclosed with seed.

NEW CELERIAC, "DELICATESSE." Roots are oval, perfectly smooth; no side roots—never rusts. Flesh is pure white, tender, and of general excellent quality; this kind does well on light soils. Pkt., 15c; ½ oz. 35c; oz. 60c.

EARLIEST OF ALL. Ready in June; pure white flesh, very tender. Pkt., 15c; ½ oz. 35c; oz. 60c.

LARGE SMOOTH PRAGUE. Excels in quality, size and appearance. Not like common sorts, which are often crooked and have a lot of useless roots. Large Smooth Prague Celeriac is the main crop variety, nearly globe shape and almost twice the size of Erfurt—only a few rootlets at bottom—the American grower's favorite. Pkt., 10c; ½ oz. 20c; oz. 40c; ½ lb., \$1.25; lb., \$4.00.

LARGE ERFURT. A standard. Pkt., 10c; ½ oz. 20c; oz. 40c; ½ lb., \$1.25; lb., \$4.00.

CHICORY

Witloof (French Endive). A European delicacy now standard in all best hotels and restaurants in the U.S. It is easily grown. Sow in spring; store parsnip-like roots in sand until wanted for growing on in winter; directions on packages. Pkt., 10c; oz. 30c; ½ lb., \$1.00; lb., \$3.50.

Roots of above 3 for 40c. postpaid (with forcing directions up to April 1st).

Large Rooted Magedburg. Roots are cut in thick slices, roasted and used as coffee in spring leaves make good salad.

Pkt., 10c; oz. 20c; ½ lb. 60c; lb., \$2.00.



CELERIAC—Giant Prague

CARDOON. Main stalks are blanched like Celery, used for salad or in soups. Pkt., 10c; oz. 40c; ½ lb., \$1.25; lb., \$4.50.

CHERVIL DOUBLE CURLED. Similar to Parsley, handsome for garnishing. Pkt., 10c; oz. 25c; ½ lb., 60c.

COLLARDS. A variety of cabbage used in Southern states. Pkt., 5c; oz. 10c; ½ lb., 30c; lb., \$1.00.

KOHLRABI

Sow in June or July, in rows, thin to 12 inches.

Bulbs grow above ground, are stripped and cooked like Turnips, but are much sweeter.

EARLY WHITE VIENNA. White and tender. Pkt., 10c; oz. 25c; ½ lb., 80c; lb., \$3.00.

EARLY PURPLE VIENNA. Pkt., 10c; oz. 25c; ½ lb., 80c; lb., \$3.00.

SHORT LEAVED EARLY ERFURT. For forcing in open ground. White flesh, very tender, short leaves. Pkt., 10c; oz. 30c; ½ lb., 90c; lb., \$3.25.

Sweeter Than Turnips



KOHL-RABI
White Vienna



LEEK

LARGE MUSSELBURG. Enormous broad leaves, mild flavor. Good exhibition sort. Pkt., 10c; oz. 25c; ½ lb., 85c; lb., \$2.75.

BROAD SCOTCH or LONDON FLAG. Hardy; a strong plant, with broad leaves. Pkt., 10c; oz. 25c; ½ lb., 85c; lb., \$2.75.

ROUEN, LARGE WINTER. Large, excellent—best of all. Pkt., 10c; oz. 25c; ½ lb., 85c; lb., \$2.75.

LONG MEZIERES. One of the very best. Broad, vigorous, erect leaves, long good sized stem, snow white; fine flavor, very hardy. Unsurpassed for market garden. Pkt., 10c; oz. 30c; ½ lb., 90c.

BULGARIAN WINTER. A most desirable Leek, extremely hardy, enormous size. Pkt., 10c; oz. 35c.

VEGETABLES

Vaughan's Vegetable Cook Book

Tells how to cook and use rare vegetables. Price, heavy paper cover, 35c; or free to every customer who buys Vegetable Seeds in packets or orders to the amount of \$1.50 and upwards, and asks for same.

**PLANT
THE BEST**

EGG PLANT VAUGHAN'S IMPROVED NEW YORK PURPLE

"New York" is the standard variety of this fine vegetable, and "Vaughan's Improved New York" is the highest type and most popular of that standard—entirely spineless. Plants grow low, stalky and branching, are early and almost continuous bearing; fruits are satiny smooth, rich purple color and large. **Sow Vaughan's seed.** Pkt., 10c; oz., 55c; $\frac{1}{4}$ lb., \$1.65; lb., \$6.50.

BLACK BEAUTY. Is 12 days earlier than New York; for northern home gardens and truckers it is most desirable. In shape it is broad and thick; it is perfectly spineless and smooth; has beautiful, rich purple color and handsome lustre—very attractive and popular. **Plant Vaughan's seed.** Pkt., 10c; oz., 60c; $\frac{1}{4}$ lb., \$1.75; lb., \$7.00.

BLACK PEKIN. Round shape, and almost black; flesh is white and solid, fine grain and delicious flavor. It is early and a good marketable size egg plant. Pkt., 10c; oz., 45c; $\frac{1}{4}$ lb., \$1.45.

VERY EARLY DWARF PURPLE. This variety is extremely early, it resembles "New York Improved" in shape and color, but is smaller and earlier. Pkt., 10c; oz., 45c; $\frac{1}{4}$ lb., \$1.45.

ENDIVE

CHICORY ENDIVE. A delightful autumn and winter salad. Sow seed from middle of June to the end of August. **GREEN CURLED SUMMER.** Standard variety for fall and winter. Finely divided leaves, making the plant appear mossy, and when centers are blanched most beautiful. Pkt., 10c; oz., 15c; $\frac{1}{4}$ lb., 45c; lb., \$1.50.

GREEN CURLED WINTER. Pkt., 10c; oz., 15c; $\frac{1}{4}$ lb., 45c; lb., \$1.50.

AUTUMN GIANT. Gigantic; ideal for early use; does not stand severe frosts. Pkt., 10c; oz., 15c; $\frac{1}{4}$ lb., 45c; lb., \$1.50.

GIANT FRINGED. Most beautiful snow white heart, fine delicate green fringe. Pkt., 10c; oz., 20c; $\frac{1}{4}$ lb., 50c; lb., \$1.75.

MOSS CURLED. Fine sort. Pkt., 10c; oz., 15c; $\frac{1}{4}$ lb., 45c; lb., \$1.50.

EVER WHITE CURLED. Very crisp. Pkt., 10c; oz., 15c; $\frac{1}{4}$ lb., 45c; lb., \$1.50.

BROAD LEAVED WHITE. Slightly curled. Pkt., 10c; oz., 15c; $\frac{1}{4}$ lb., 45c; lb., \$1.50.

GARLIC SELECTED BAVARIAN

Lb., 30c; 10 lbs., \$2.50. Postage extra. Write for latest market prices on quantities.

HORSE RADISH SETS

ORDINARY HORSE RADISH. Roots produce good Radish, fit for use in one season's growth. Plant the set small end down, so that the top will be 2 inches under soil. 100, \$1.25; by mail, \$1.30; 500, \$5.00; 1000 \$9.50.



VAUGHAN'S IMP'D NEW YORK
PURPLE EGG PLANT

KALE OR BORECOLE

Greens for early fall, winter and spring. Sow seed about middle of June; later transplant to rows 2 to 2½ feet apart. Dwarf sort can be sown later. **DWARF GREEN CURLED KALE.** Hardier than Cabbage. Leaves curly as Parsley, tender and very fine flavor. Immense quantities produced in South find ready sales in the North. Vaughan's Extra Selected Stock. Fine strain. Pkt., 10c; oz., 50c; $\frac{1}{4}$ lb., 50c; lb., \$1.75.

VAUGHAN'S EXCELSIOR MOSS CURLED KALE. By far the best Kale in existence. Plants grow 18 to 21 inches high and produce as many as 50 edible leaves to a plant. Leaves very early and unsurpassed in flavor. Pkt., 10c; oz., 25c; $\frac{1}{4}$ lb., 75c; lb., \$2.75.

TALL GREEN CURLED. Pkt., 10c; oz. 20c; $\frac{1}{4}$ lb., 50c; lb., \$1.75.

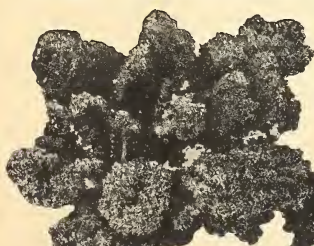
SIBERIAN. Called "Sprouts" and "German Greens." Not so curly as Dwarf Green Kale. Plant dwarf, spreading and very hardy. Pkt., 5c; oz., 20c; $\frac{1}{4}$ lb., 50c; lb., \$1.75.

SEA KALE

Ready for use earlier than Asparagus, and combines flavor of that and Celery. Its blanched stalks are cooked like Asparagus or the leaves used as greens. Sea Kale comes usually from seed, but can be grown from offsets or root cuttings. Plant in rows 4 to 6 feet apart. Seedlings yield a crop third year. As soon as shoots show above ground, sand etc. until ready for use. Pkt., 15c; $\frac{1}{2}$ oz., 30c; oz., 60c; $\frac{1}{4}$ lb., \$1.75.

VAUGHAN'S EXCELSIOR MOSS
CURLED KALE

the ground, blanch with earth, boards, sand, etc. until ready for use. Pkt., 15c; $\frac{1}{2}$ oz., 30c; oz., 60c; $\frac{1}{4}$ lb., \$1.75.



The seed I purchased from you this Spring is coming up fine. Everything looking good. J. E. FISHER, Calumet, Mich.

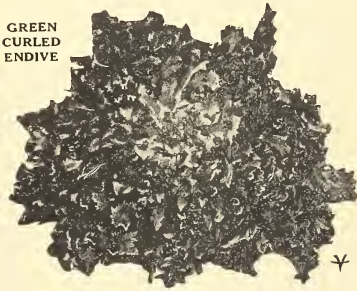
Plant Vaughan's Seeds and insure success in your garden. Gardening pays.



BLACK BEAUTY—An Early variety, suitable for northern planting



GREEN
CURLED
ENDIVE



HORSE RADISH, Bohemian. Earlier and better producer than the common sort. The roots grow larger and whiter and the quality is superior. All growers should have it. Sets or Roots, per doz., 50c; postpaid; by express, 50 for \$1.15; 100 for \$2.00; 1000, for \$15.00.

The New York tomato plant obtained from you during the past two seasons have proven entirely satisfactory, and in comparison with four standard varieties which I grew during the past season left nothing to be desired. Yours very truly, W. K. WIKIE, Tarrytown, N. Y.



VAUGHAN'S
MAMMOTH
RHUBARB

RHUBARB

VAUGHAN'S MAMMOTH. Vigorous and productive; stalks numerous; the large ones being fifteen inches long and fully one inch and a half wide; an excellent spring food possessing medicinal properties. It is the first article of the season from the garden and no planter should be without it. Price of Seed per Pkt., 10c; oz., 15c; $\frac{1}{4}$ lb., 40c; lb., \$1.35.

LINNAEUS. Seed, per pkt., 10c; oz., 15c; $\frac{1}{4}$ lb., 40c; lb., \$1.35. **CHICAGO GIANT.** This dwarf Rhubarb is bred for large stalks and small leaves. We have grown this variety for years, and find it all.

RHUBARB ROOTS. Set in spring they will furnish leaf stalks the following season; clumps each 15c; doz., \$1.50.

Large clumps, by express, 25c; 3 for 60c. Extra Large Clumps, each 50c; 3 for \$1.25.

Plan your garden early! Perhaps you have a friend who would like to have one of our cata goss. A postal is sufficient.

PLANT THE BEST

Cleveland, Ohio, Feb. 13, 1920.
I was in your store last spring and asked one of your clerks what the best sweet corn you had for the home garden. He gave me some of your Bantam Evergreen, and I can fully agree with him that it is the best sweet corn ever put on the market. CHAS. APP.

FAMOUS EARLIES

VAUGHAN'S

U. S. Government
License No. G31074

VAUGHAN'S MAMMOTH WHITE CORY

The great popularity of this extra early Sweet Corn is due to the fact that it was successfully bred for three important qualities—**Earliness, Size, Sweetness.** Placed in whichever order you wish, these are the dominant characteristics of this favorite corn. Early as the earliest corn; the ears are as long with two to four more rows of kernels set close, so there is no loss of space in

the cob. The grains are of medium size, broad, very white and of high table quality. The stalks are a little less than medium size, vigorous and prolific, usually averaging two ears to the plant. Our seed is grown and bred on our own farms. No more careful select can be practised than we use, and ears are dried in crates to insure high germination.

Pkt., 10c; lb., 25c; 2 lbs., 45c; 10 lbs., \$1.85.

GOLDEN BANTAM

Now the most popular of all first early Sweet Corns and planted in nearly every garden.

This "Yellow Nugget" has made more enthusiastic and satisfied amateur horticulturalists than acres of successful gardens filled with other vegetables. A brief description for the uninitiated, if there still be such—Golden Bantam is an extra early yellow sort about a week later in season than Cory or the first

earlies. The ears are borne two to a stalk and are about six inches in length with eight rows of kernels on a cob. We grow our seed of this sort on our own farms in Michigan and we have taken great care in the development and culture of our strain which may be relied upon for absolute purity of type Plant Vaughan's.

Pkt., 10c; lb., 30c; 2 lbs., 55c; 10 lbs., \$2.10.

VAUGHAN'S BANTAM EVERGREEN

A corn of Golden Bantam QUALITY of the RIGHT SIZE. It is a retained the quality of the Bantam and has the more tender skin of able sized ear of corn superior in quality to England, the home of sweet corn, where it is EATEN. Pkt., 15c; lb., 30c; 2 lbs., 60c;



MAMMOTH WHITE CORY

Malakoff

The Great Sweet Corn for northern country; in the northern states and Canada where the season calls for quick maturing this is the best of all sweet corns. In flavor it has no equal. It is a dwarf growing corn, rarely exceeding 4 feet in height; the stalks usually average 2 ears each. The kernels are shallow and sweet. We have specialized in this variety. Our stock has been carefully re-selected and the crop harvested on our Michigan farm.

Pkt., 10c; lb., 30c; 2 lbs., 55c; 10 lbs., \$2.25.

EARLY IOWA. A fine sweet corn. A week earlier than "Mammoth White Cory," and of superior quality. The ears are 8 rows usually 2 to a plant. The stalks are short with little foliage. Under middle west conditions it is the earliest sweet corn with ears of marketable size. Our seed is grown on our own farms in Michigan.

Pkt., 10c; lb., 25c; 2 lbs., 50c; 10 lbs., \$2.00.

EARLY MAYFLOWER. In the New England States this is the earliest sweet corn of good size. In the Middle West it is not as early as Early Iowa. White cob and kernels, larger than White Cory and ten days earlier. New England grown seed.

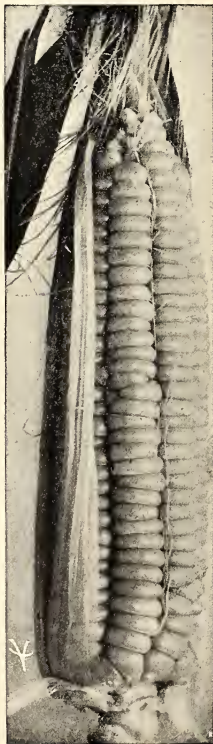
Pkt., 10c; lb., 30c; 2 lbs., 55c; 10 lbs., \$2.25.

EARLY MINNESOTA. A favorite early, a few days later than Mammoth White Cory, ears have 8 to 10 rows of large white grains. Very productive.

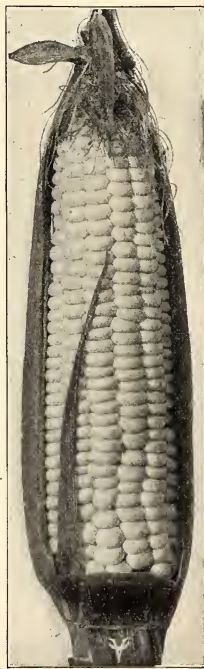
Pkt., 10c; lb., 25c; 2 lbs., 45c; 10 lbs., \$1.85.

	Lb.	2 Lbs.	10 Lbs.
Early Cory. Red cob.....	25c	45c	\$1.85
Adam's Extra Early Not sweet	120c	40c	1.50
Adam's Early but early	120c	40c	1.50

Any of the above, per pkt., 10c. (Larger quantities than 10 lbs. of any kinds on this page at 10-lb. rate.)



GOLDEN BANTAM



EARLY CHAMPION

Improved Early Champion

Is a second early which ranks high in popular favor, it is one of the earliest large sweet corns in season two weeks later than "Mammoth White Cory." The ears have 12 very uniform rows of pure white, not too large, kernels, which are tender and full of milk. The ears are medium, often three on a stalk. Planted by many gardeners for both early and late.

Pkt., 10c; lb., 25c; 2 lbs., 45c; 10 lbs., \$1.85.

EARLY CROSBY. A high quality, second early, very popular in Eastern sections, especially New England. Ears about six inches long, 14 rows, grains square, very white, sweet and tender.

Pkt., 10c; lb., 25c; 2 lbs., 50c; 10 lbs., \$2.00.

LATE MAMMOTH Produces the largest ears of all sweet corn varieties. A little late in season. In spite of its immense size, the ears are of excellent quality, delicious, sweet and tender.

Pkt., 10c; lb., 25c; 2 lbs., 50c; 10 lbs., \$2.00.

METROPOLITAN. Popular in eastern states, season between Minnesota and Champion. Kernels have 10 to 12 rows, large and very sweet.

Pkt., 10c; lb., 25c; 2 lbs., 50c; 10 lbs., \$2.00.

Seattle, Washington.
Your Vaughan Cucumber is the best we ever have grown. Ninety per cent. of them were fancy grade, bringing the top price in our market.
A. F. HAAS, 2903 Yeston.

SWEET CORN

MAIN
CROP

Fertilize the Sweet Corn ground if you want high sugar content. See Fertilizer Pages. Vaughan's 2-8-1 is a good one for Sweet Corn. Hoe frequently. Full line hoes on implementation pages.

PLANT
THE BEST

UNDER ITS OWN CONDITIONS

STOWELL'S EVERGREEN

The great standard main crop variety of Sweet Corn. The stalks are strong and vigorous and grow 7 to 8 feet high, and bear ears 8 inches long, with 16 or more rows of the finest sugary grains. This sort is very productive, and the deep set white kernels of sweetness are tender and very fine, which accounts for the great popularity this standard sugar corn has attained. For the home garden, the market grower or canning factory, it is always an immense success. We have specialized

in this grand sweet corn for many years, and we say with confidence our strain is the best that money can buy. Vaughan's New England grown seed develops a larger percentage of sugar than seed grown in the Western States. We quote prices here for both.

Eastern Connecticut grown,

Pkt., 10c; lb., 25c; 2 lbs., 50c; 10 lbs., \$2.00.

Western grown, Eastern stock seed,

Pkt., 10c; lb., 25c; 2 lbs., 45c; 10 lbs., \$1.75.

COUNTRY GENTLEMAN

Is a late main crop variety, which should find a place with every grower for home or market. The ears, which are seven to nine inches long are borne on stalks six to seven feet high. Unlike other sorts the grain is small and rather round and crowded together on the cob, instead of forming in defined rows. Deliciously tender and sweet,

this corn is regarded by many as the highest quality of all White Sweet corns. Vaughan's strain has been especially selected for small deep kernels and high sugar content and represents the highest bred type.

Pkt., 10c; lb., 25c; 2 lb., 50c; 10 lb., \$2.00

BEST AND SWEETEST SUGAR CORN

See Illustration on Back Cover.

product of Golden Bantam crossed with Stowell's Evergreen. It has the Evergreen. Market gardeners are at least able to sell a merchant-any on the market. Grown and bred in New pronounced the SWEETEST CORN EVER 10 lbs., \$2.25.

EARLY EVERGREEN

Very large ears are characteristic of this sort. It is earlier than Stowell's Evergreen by 8 to 10 days. This variety remains green for a long time and in northern localities is a safer cropper than Stowell's Evergreen, of which this is a smaller sort.

Reliable seed of this well known variety is at your command in Vaughan's Seed Store

Pkt., 10c; lb., 25c; 2 lbs., 45c; 10 lbs., \$1.85.

NARROW GRAINED EVERGREEN

A selection from the broad grained Evergreen in which the large sized cob is retained with the kernels only half as wide as the Standard Sort. The result is a much more attractive looking corn. Especially valuable to market growers and canners.

Pkt., 10c; lb., 25c; 2 lbs., 50c; 10 lbs., \$2.00.

GOLDEN CREAM (A Late Yellow)

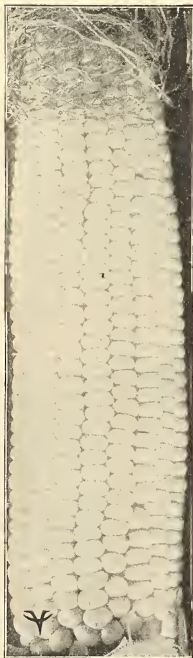
A cross of Golden Bantam and Country Gentleman. The result is a yellow Country Gentleman.

Pkt., 15c; lb., 30c; 2 lbs., 60c; 10 lbs., \$2.25. (Larger quantities of all Sweet Corns or other seeds at 10 lb. rate.)

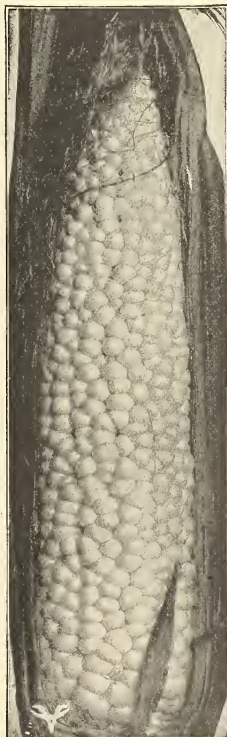
For a succession in the home garden, plant Golden Bantam, Bantam Evergreen and Golden Cream.

Vaughan's Sweet Corn Specialties

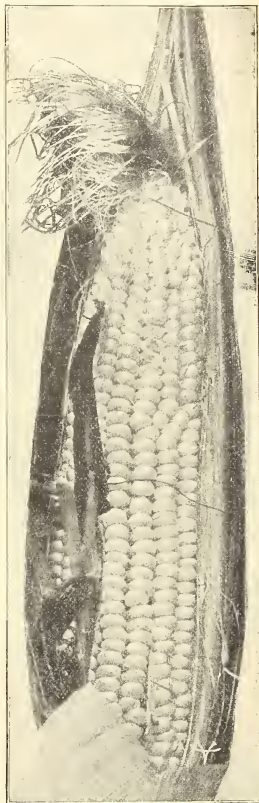
Bantam Evergreen
Mammoth White Cory
Golden Bantam
Early Iowa
Malakoff
Early Evergreen



EARLY EVERGREEN



COUNTRY GENTLEMAN



STOWELL'S EVERGREEN

BLACK MEXICAN. Everyone who has seen this Corn remembers it and the delicious sweetness and fine grain qualities in spite of its dark color, making it more and more of a favorite every year. Eight to 10 rows; ears about 8 inches long; kernels bluish purple to black and rather flat.

Pkt., 10c; lb., 30c; 2 lbs., 55c; 10 lbs., \$2.10.

VAUGHAN'S BLACK SUGAR. This is an Eastern grown selection of the Black Mexican variety. Our grower has selected it for large maturing ears and high sugar qualities. For one who has never grown this Corn its quality is a revelation.

Pkt., 10c; lb., 30c; 2 lbs., 60c; 10 lbs., \$2.25.

Any of the following, per pkt., 10c.

	Lb.	2 Lbs.	10 Lbs.
Kendel's Early Giant.....	\$0.25	\$0.45	\$1.85
Early Mammoth.....	.25	.45	1.85
Old Colony.....	.25	.50	2.00
Hickox Improved.....	.25	.50	2.00
White Evergreen.....	.25	.50	2.00
Perry's Hybrid.....	.25	.45	1.85

(Larger quantities all Sweet Corns at 10 lb. rate.)

Sweet Corn for Succession. Plant the following varieties at one time and they mature so as to furnish green corn throughout the season; Mammoth White Cory, Early Champion, Stowell's Evergreen. Offer No. C3X. 1 pkt. each (3 kinds), 25c; prp'd.

CORN SALAD. A MOST REFRESHING SALAD. SEE PAGE 22

PLANT THE BEST

Cucumbers for slicing are generally of the white spine type. For general home garden use Vaughan's Arlington White Spine a medium sized variety, and Davis Perfect a long sort will be found very satisfactory.

STANDARD VARIETIES

VAUGHAN'S

VAUGHAN'S IMPROVED ARLINGTON WHITE SPINE

Is early, and a heavy yielder; it is a beautifully symmetrical, straight type cucumber, 7-10 inches long. Throughout its entire length, the skin is an attractive, glossy dark green; the flesh firm but tender, with delicious flavor; these surpassing qualities have made it a great favorite.

In the southern country it is a universally planted sort and Vaughan's strain of Improved Arlington White Spine is the Standard for both home and market gardens. For northern markets it may be a trifle small, but for home garden, it has no superior and is indeed very popular. Pkt., 10c; oz., 20c; $\frac{1}{4}$ lb., 50c; lb., \$1.50.

BOSTON FORCING WHITE SPINE

In New York, Boston, Philadelphia and other exacting markets, Vaughan's "Boston Forcing Cucumber" is the "top notch" of forcing varieties in both price getting and popular favor. Add to this the fact that the vines are remarkably strong and very productive, 25% better than other forcing sorts, and you will understand why this splendid cucumber is a big money maker and a great favorite. The fruit is very even, smooth, slender, with dark green skin and which markings more blended than is usual, and the quality very superior. For hot-bed and outdoor planting in southern localities.

This is a money-maker for market growers.

Pkt., 10c; oz., 20c; $\frac{1}{4}$ lb., 50c; lb., \$1.50.

EARLY CYCLONE. 3 to 4 inches long, earliest of the white spines; prolific. Pkt., 10c; oz., 20c; $\frac{1}{4}$ lb., 50c; lb., \$1.50.

IMPROVED WHITE SPINE. Medium size, straight, always fine yielder; light green. Pkt., 5c; oz., 15c; $\frac{1}{4}$ lb., 45c; lb., \$1.40.

EMERALD. Smooth, almost spineless, dark green, which it retains well, fine for slicing. Pkt., 10c; oz., 20c; $\frac{1}{4}$ lb., 50c; lb., \$1.60.

NICHOLS MEDIUM GREEN. Early, medium size, straight, smooth, dark green, good flavor, for pickling and slicing. Pkt., 5c; oz., 15c; $\frac{1}{4}$ lb., 45c; lb., \$1.40.

COOL AND CRISP. Fine for slicing. Early, prolific, and covered with knobs, and black spines on dark green skin—makes handsome pickles. Pkt., 10c; oz., 20c; $\frac{1}{4}$ lb., 50c; lb., \$1.50.

ODD CUCUMBERS

Japanese Climbing.

Grows quickly on poles or trellis, takes up little room in the garden. Fruit is good size, fine flavor, especially good for slicing and salads; does best in dry warm summers.

Pkt., 10c; oz., 20c; $\frac{1}{4}$ lb., 60c; lb., \$2.00.

Lemon Cucumber. Not the same as the Garden Lemon (see page 33), though similar in appearance, it is a real luscious flavored cucumber, a worthy addition to the list. Pkt., 10c; oz., 20c.

Serpent or Snake. A curious, usually much twisted cucumber. Pkt., 10c; oz., 25c.

We specialize in choicest strains of Cucumbers as well as Radish



VAUGHAN'S ARLINGTON WHITE SPINE



VAUGHAN'S BOSTON FORCING WHITE SPINE



WESTERFIELD'S CHICAGO PICKLE

Since we first introduced this pickle years ago, it has been a distinguished success; it secures the highest market price because of its known splendid qualities, that meet the most exacting condition of critical pickle makers, who supply fancy and highest priced goods to the market.

The maintenance of fine shape, right size and excellent quality in this splendid pickle are, as always have been, matters of great

pride with us; and so, the fine pickle makers throughout the country willingly pay the higher price it is necessary for us to get, for our selected seed.

When ripe the fruit is medium size, pointed at both ends, has large prominent black spines; the vines set fruit when young and continue bearing longer than other varieties.

Pkt., 5c; oz., 15c; $\frac{1}{4}$ lb., 45c; lb., \$1.40.

IMPROVED JERSEY PICKLE

This is a famous kind for making vinegar pickles. Owing to its light color it makes what pickle men call "light" pickles, excellent for "Gherkins." Its shape in the fruit is broader at the tip than at the stem end

while in the pickle state it is nearly straight. It is very prolific. Our seed is very uniform and finely selected. Plant Vaughan's Seed.

Pkt., 5c; oz., 15c; $\frac{1}{4}$ lb., 45c; lb., \$1.40.

THE CUMBERLAND PICKLE

This is a variety of the White Spine Type. Very hardy and a strong rapid grower, and gives a very prolific yield. The pickles differ from all other hardy sorts, being thick set with fine spines except on the extreme stem end. The flesh is very firm, crisp and tender at all stages. Excellent for pickles and slicing. Pkt., 10c; oz., 20c; $\frac{1}{4}$ lb., 50c; lb., \$1.50.

Dandelion, see page 22. Egg Plant, Endive, Horse Radish Sets, see page 23.

PICKLING



CUCUMBERS

SUITED TO ALL
LOCALITIES

VAUGHAN'S Cucumber
Specialties, Vaughan's
Improved Long Green,
Westerfield's Chicago Pickle,
Snow's Fancy Pickling.

PLANT
THE BEST

Splendid for Forcing. Excellent for Outdoors.

THE VAUGHAN

Best of All for Slicing. Uniform Size.



A really sensational novelty. In our opinion the best new cucumber ever introduced. Compared with other extra long white spine cucumbers, like Davis Perfect, Fordhook Famous, etc., it is much darker in color, more uniform in size, thinner and more prolific. (See illustration on back cover page). Don't fail to try it. We hope to offer in quantity next year. Pkt., 10c; oz., 50c; $\frac{1}{4}$ lb., \$1.60.

DAVIS PERFECT

Fine length, slimness, beautiful dark green color, transparent-like flesh with deliciously cool refreshing flavor, and enjoyable crispness, are distinguishing features and qualities of this, the most popular of the extra long white spine cucumbers. For indoor, and outdoor planting it is most popular. Its extremely vigorous growth, makes it the best blight resister of the long sorts.

Pkt., 10c; oz., 20c; $\frac{1}{4}$ lb., 60c; lb., \$1.75.

Stock seed—pkt., 15c; 2 for 25c; $\frac{1}{2}$ oz., 60c; oz., \$1.00.

Improved Long Green

Vaughan's strain of "Long Green" is a strain improved and developed by re-selection. The vines of our strain are very vigorous, and productive; the fruit (12 inches long) is formed almost as early as on the short sorts. As a cucumber of the "black spine" variety, for slicing and for pickles, this is one of the very best. The flesh is very firm and crisp and has a distinctive fine flavor quite its own; they make excellent pickles, and when yellow and ripe the best sweet pickles. The fine dark green color, the size, shape, crispness, and flavor, make this the best of the "black spine" varieties.

Pkt., 10c; oz., 20c; $\frac{1}{4}$ lb., 60c; lb., \$1.75.

EXTRA LONG WHITE SPINE

Like "Davis Perfect," "Extra Long White Spine" is a great blight resister. It is thicker than "Davis Perfect," straight, smooth, dark shiny green, 8-12 inches long, with superbly flavored, tender, crisp flesh. It is very early, vigorous and prolific and far more blight-proof than any of the ordinary sorts. Select stock, pkt., 10c; oz., 20c; $\frac{1}{4}$ lb., 50c; lb., \$1.60.

ROCKY FORD (Klondyke)—White Spine. A fine market garden sort—between the New Century and Arlington in size—slightly earlier, however. A wonderful keeper and shipper. Good dark green color.

Pkt., 10c; oz., 20c; $\frac{1}{4}$ lb., 50c; lb., \$1.50.

NEW CENTURY—A fine strain of long white spine, 8 to 10 inches in length—very thick, uniform, smooth and straight. It holds its dark green color well and is fine for slicing.

Pkt., 10c; oz., 20c; $\frac{1}{4}$ lb., 50c; lb., \$1.50.

FORDHOOK FAMOUS—White Spine. As long as "Davis," slightly bent, but very handsome, twelve to fifteen inches long. Quality is superb, dark green, vigorous.

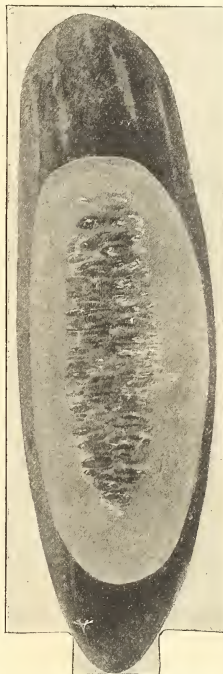
Pkt., 10c; oz., 20c; $\frac{1}{4}$ lb., 50c; lb., \$1.60.



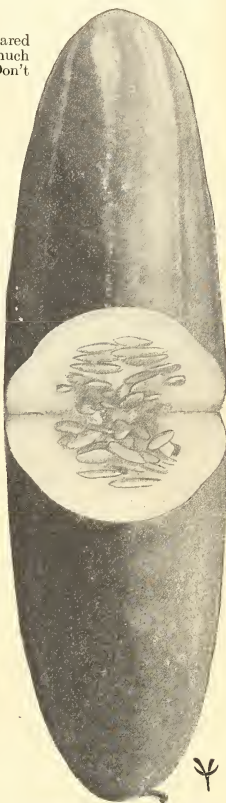
About One-Third

Natural Size

EXTRA LONG WHITE SPINE



DAVIS PERFECT CUCUMBER
Less Than Half Natural Size



IMPROVED LONG GREEN

CUCUMBERS



SNOW'S FANCY PICKLING

This is a selection made originally from the "Chicago Pickle" by a veteran pickle grower in the west. The type is shorter when ripe than the Chicago Pickle and is broad at the stem end, tapering slightly to the tip. The small pickles, although quite similar to the Chicago Pickle,

VAUGHAN'S XXX PICKLING. Fruits protrude from under the vine, making picking comparatively easy. Pkt., 10c; oz., 20c; $\frac{1}{4}$ lb., 50c; lb., \$1.50.

WEST INDIA GHERKIN. A very small oval prickly sort, distinct from all others. It is grown for pickles only and must be used when young. Pkt., 10c; oz., 20c; $\frac{1}{4}$ lb., 60c; lb., \$2.00.

Extra Early Green Prolific	Pkt.	Oz.	$\frac{1}{4}$ lb.	lb.
or Boston Pickling.....	5c	15c	45c	\$1.40
Early Cluster.....	5c	15c	45c	\$1.40
Early Frame or Short				
Green.....	5c	15c	45c	\$1.40

Sow a little Lettuce Seed amongst your cucumbers; some gardeners say the cucumber beetle won't touch the fruits if lettuce is grown amongst them.

OUR FREE DELIVERY. See inside back cover page explaining FREE DELIVERY to first three postal zones. FOR 5 CENTS PER POUND MORE WE PREPAY TO ALL ZONES.



have an additional value where blight prevails. The fruit being smaller, the blight does not sap the strength of the vine to the detriment of a crop. We offer a strain of most carefully selected seeds from fields inspected by us and under our own direct supervision.

Pkt., 10c; oz., 20c; $\frac{1}{4}$ lb., 50c; lb., \$1.50.

VAUGHAN'S PROLIFIC FORCING. Early, shorter than others, uniform. Pkt., 25c; 3 pkts. for 65c.

ENGLISH FRAME CUCUMBERS

Rollison's Telegraph. A standard greenhouse variety. English greenhouse grown. Pkt., 25c.

Prescott's Wonder. Fine flavored. Good yielder. Pkt. (50 seeds), 25c.

Carter's Model. One of the best English varieties. Large, straight, smooth. Pkt., 25c; 3 pkts. for 65c.

PLANT THE BEST

Sow Lettuce a little at a time, and often, for a continuous supply. Vaughan's All Seasons is the surest header.

LOOSE LEAF OR
CURLED SORTS

VAUGHAN'S

VAUGHAN'S SELECTED LETTUCE STOCKS



GRAND RAPIDS VAUGHAN'S SELECTED STOCK

A home garden favorite, extensively
planted for market.

Grand Rapids Lettuce for hot-bed or greenhouse growing, is a curly leaved lettuce of great popularity because of exceptional merit. The leaves develop very quickly and its upright habit, requiring little room in the bed, permits close planting. Grand Rapids Lettuce has elegant appearance, is an excellent keeper and a splendid shipper. The leaves are a beautiful green, daintily curled, tender and crisp. The flavor is sweet and delicious. This lettuce secures many buyers, and makes profit for the market growers who plant it, and in the home garden it produces continuous satisfaction. Through trials and re-selections we secure seed for our customers of the most perfect type.

Vaughan's Extra Selected Stock:

Pkt., 10c; oz., 15c; 2 ozs., 25c; $\frac{1}{4}$ lb., 45c; lb., \$1.50.

Standard Stock: Pkt., 10c; oz., 15c; $\frac{1}{4}$ lb., 40c; lb., \$1.25.

TILTON'S WHITE STAR.

Large, very rapid grower, is a distinct variety of B. S. Simpson; leaves are very broad, thick, less frilled and darker than B. S. Simpson; they blanch well, good quality—slow to seed. Pkt., 10c; oz., 15c; $\frac{1}{4}$ lb., 40c; lb., \$1.25.

PRIZEHEAD.

Very popular, large, loose heading sort. Leaves finely crumpled and fringed, outer ones, shaded brown; very crisp, sweet and tender, splendid for home garden.

Pkt., 5c; oz., 15c; $\frac{1}{4}$ lb., 35c; lb., \$1.10.

Sow two ounces of lettuce seed to 100 yards of row, 4 lbs. to acre. From seed to maturity time is 40 to 50 days.
Always buy Vaughan's Selected Stock; Type, quality and germination of the seed make it really cheaper.

These need transplanting to mature properly. Use Nitrate of Soda to hasten development. See page 135

CABBAGE OR

VAUGHAN'S ALL SEASONS

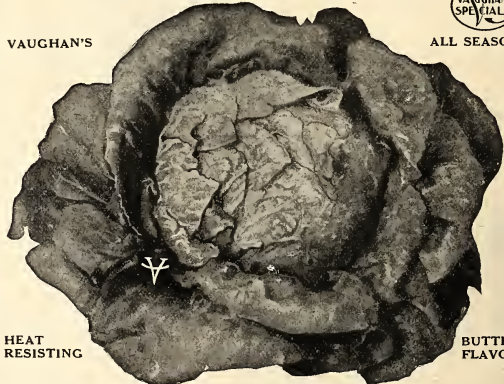
In 1879 we introduced this distinctive variety. It immediately leaped into popular favor, in which it has gained through all the years, and is today an unapproachable favorite. Heads are large, solid and handsome, almost as large as Flat Dutch Cabbage; leaves are grayish-green, never spotted or brown; they are broad and thick and have decided buttery flavor, embodying all in the term excellent; the inner leaves blanch beautifully. This sort is a sure header and slow to run to seed. Vaughan's introducer's selected stock is the exclusive favorite of Chicago market growers.

Pkt., 10c; oz., 15c; 2 oz., 25c; $\frac{1}{4}$ lb., 45c; lb., \$1.50.



VAUGHAN'S

ALL SEASONS



HEAT
RESISTING

BUTTERY
FLAVOR

COS LETTUCE

Considered by many the highest type of lettuce; has distinct upright habit, very crisp and sweet. Needs transplanting.

EXPRESS COS. A Vaughan introduction. The most dwarf and earliest of all. Delicious flavor. Self-closing. Pkt., 10c; oz., 15c; $\frac{1}{4}$ lb., 45c; lb., \$1.50.

PARIS WHITE COS. Grows to large size. Self-closing. Pkt., 10c; oz., 15c; $\frac{1}{4}$ lb., 40c; lb., \$1.25.

TRIANON COS. Similar to above, but grows whiter and matures earlier. Pkt., 10c; oz., 15c; $\frac{1}{4}$ lb., 40c; lb., \$1.25.

MAY KING. A very early heading variety. This is among the finest of heading sorts. The outer leaves are green, just tinged with brown; they fold close, permitting close planting in frames—tender yellow heart. Pkt., 10c; oz., 15c; $\frac{1}{4}$ lb., 45c; lb., \$1.50.

ST. LOUIS BUTTER-HEAD. Extensively planted. Has gained great popularity since the St. Louis World's Fair in 1904. Large, solid head, crumpled leaves, yellow center. Pkt., 10c; oz., 15c; $\frac{1}{4}$ lb., 40c; lb., \$1.25.

WAYHEAD. Very early head lettuce, in season about time of "May King." Is larger than May King. The head is of golden yellow, and the outer leaves light-green. Pkt., 10c; oz., 15c; $\frac{1}{4}$ lb., 45c; lb., \$1.50.

KALE, see page 23.

KOHLRABI, LEEK, see page 22.

LETTUCE

LOOSE LEAF OR
CURLED SORTS

Vaughan's Lettuce Specialties
Big Boston, Select Stock. Has the highest
reputation in southern market sections.
Grand Rapids Select. The greenhouse
grower's standard.
Vaughan's All Seasons. A sure header.
Black Seeded Simpson. Select stock.

PLANT
THE BEST

ARE STANDARD FROM COAST TO COAST

BLACK SEEDED SIMPSON

Very popular with Home
Gardeners and Market Growers

(Varieties listed on top half of these two pages are loose leaf sorts, while the bottom half describes head lettuces).

Black Seeded Simpson Lettuce is always reliable and easily grown. The leaves grow large, the inner ones forming a semi-compact head; they are a handsome green beautifully crumpled, have fine quality, being tender, crisp and sweet flavored. This sort may be grown under glass, in cold-frame or open ground. It is unsurpassed as a heat resister, and is especially adapted to amateur gardeners, who may be unsuccessful in growing head lettuce. Its fine appearance makes it a success on the market, and in the home garden.

Vaughan's Selected Stock: Saved from extra selected plants.

Pkt., 10c; oz., 15c; 2 ozs., 25c; $\frac{1}{4}$ lb., 45c; lb., \$1.50.

STANDARD STOCK: Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 30c; lb., \$1.00.

EARLY CURLED SILESIA: A dwarf of compact habit and thick growth. Crisp, golden leaves, finely curved edges; an old favorite. Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 30c; lb., \$1.00.

EARLY CURLED SIMPSON: White seeded, similar to Early Curled Silesia—one of the best leaf lettuces.

Pkt., 10c; oz., 15c; $\frac{1}{4}$ lb., 40c; lb., \$1.25.

THE MORSE: Desirable strain of Black Seeded Simpson, for growing under glass—a careful selection by a seed grower of wide experience—leaves bright green, beautifully crinkled.

Pkt., 10c; oz., 15c; $\frac{1}{4}$ lb., 40c; lb., \$1.25.

Central Market Lettuce—crop failure.



BLACK
SEEDED SIMPSON

DENVER MARKET FORCING: Early; forms loose head of good size; leaves light green, handsomely marked, and blistered like a Savoy Cabbage; very crisp and tender, forcing or open ground sort. Pkt., 10c; oz., 15c; $\frac{1}{4}$ lb., 45c; lb., \$1.50.

HEAD LETTUCE

Lettuce needs rich warm
soil. Fertilize liberally.
See page 135.

IMPROVED HANSON

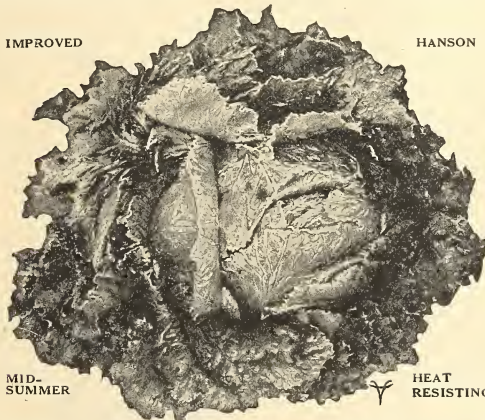
The Most Reliable Header for Home Garden

On all markets—a well known, highly approved lettuce. Globe shaped, large, well formed, firm head of broad leaves so compact that the inner ones are blanched almost white. The outside leaves are glossy green and handsome, the inside ones are very tender and deliciously sweet, and all are beautifully crinkled and curled. For mid-summer planting outdoors, this sort is exceedingly popular, for it has superior qualities for resisting drought and heat.

Pkt., 10c; oz., 15c; $\frac{1}{4}$ lb., 45c; lb., \$1.50.

IMPROVED

HANSON



MID-
SUMMER

HEAT
RESISTING

PERPIGNAN OR SUMMER DEFIANCE. Excels for long standing. Resists heat better than most others. Heads are large, firm and solid.

Pkt., 10c; oz., 15c; $\frac{1}{4}$ lb., 40c; lb., \$1.25.

MAXIMUM OR IMMENSITY. A wonderful heat resister. It ranks amongst the largest head lettuces; has green outside leaves and solid yellow center; splendid quality.

Pkt., 10c; oz., 15c; $\frac{1}{4}$ lb., 45c; lb., \$1.50.

VAUGHAN'S BIG BOSTON

A very deserving smooth-leaved head lettuce of uniform growth and finest quality. With southern gardeners who ship north, many of whom plant Vaughan's seed exclusively, this is most popular; the best early large heading sort South; North, a valuable first early. Plants are vigorous, mature large heads of bright green leaves which are very tender. One of the very best for forcing. Should be grown by market gardeners and amateur growers alike. Our strain is unsurpassed. Vaughan's selected stock.

Pkt., 10c; oz., 15c; $\frac{1}{4}$ lb., 45c; lb., \$1.50.

BLACK SEEDED BIG BOSTON

An improved shipping strain of the Big Boston. Leaves are slightly smaller; sometimes heads harder, does not rot as quickly in cold, rainy weather. In great demand in large Southern lettuce sections. Pkt., 10c; oz., 15c; $\frac{1}{4}$ lb., 45c; lb., \$1.50.

THE DEACON. Large, solid, late sort, splendid for market or home garden; sure heading, inner leaves blanch to a beautiful golden yellow; rich buttery flavor.

Pkt., 10c; oz., 15c; $\frac{1}{4}$ lb., 40c; lb., \$1.25.

OTHER GOOD SORTS

ICEBERG. Extremely hard heading, has finely indented leaves. Good for home or market.

Pkt., 10c; oz., 15c; $\frac{1}{4}$ lb., 40c; lb., \$1.35.

GOLDEN QUEEN. A good first early.

Pkt., 10c; oz., 20c; $\frac{1}{4}$ lb., 60c; lb., \$2.00.

GIANT CRYSTAL HEAD. White solid, extra quality.

Pkt., 10c; oz., 15c; $\frac{1}{4}$ lb., 45c; lb., \$1.50.

GIANT GLACIER. Pkt., 10c; oz., 15c; $\frac{1}{4}$ lb., 45c; lb., \$1.50.

MAMMOTH BLACK SEEDED BUTTER. Large hard heads. A favorite everywhere. Pkt., 10c; oz., 15c; $\frac{1}{4}$ lb., 40c; lb., \$1.35.

MIGNONETTE. A delicious, crisp, solid, small lettuce; very hardy; stands close planting. Pkt., 10c; oz., 15c; $\frac{1}{4}$ lb., 45c; lb., \$1.50.

NEW YORK OR WONDERFUL. Large white leaves.

Pkt., 10c; oz., 25c; $\frac{1}{4}$ lb., 85c; lb., \$3.00.

BUTTERCUP. Lightest green and most yellow of all sorts. Excellent quality. Pkt., 10c; oz., 15c; $\frac{1}{4}$ lb., 40c; lb., \$1.25.

BROWN DUTCH. Pkt., 10c; oz., 15c; $\frac{1}{4}$ lb., 40c; lb., \$1.25.

SALAMANDER. Good all seasons. Resists heat.

Pkt., 10c; oz., 15c; $\frac{1}{4}$ lb., 40c; lb., \$1.25.

TENNIS BALL. Black Seeded. One of best standard sorts.

Pkt., 10c; oz., 15c; $\frac{1}{4}$ lb., 40c; lb., \$1.25.

TENNIS BALL. White Seeded. (Boston Market). A good forer. Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 30c; lb., \$1.00.

WHITE SUMMER CABBAGE. Green, very hardy, popular.

Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 30c; lb., \$1.00.

PLANT THE BEST

VAUGHAN'S
ORIGINAL
OSAGE
VAUGHAN'S IMPROVED
MILWAUKEE MARKET

VAUGHAN'S EXTRA
EARLY OSAGE
DON'T
MISS
IT

VAUGHAN'S

VAUGHAN'S ORIGINAL OSAGE

Most growers of Muskmelons have learned that success with this vegetable varies greatly with soil conditions; many kinds are adapted for only one soil or location; Vaughan's Osage is a notable exception to this rule, it not only succeeds on all soils, but great value lies in its **general purpose adaptability** for both market and home use.

In heavy soils, where other sorts like Rocky Ford produce inferior fruits, Osage does well; in sandy soil it is at home, and a money-maker for growers. Seldom indeed is there a poor quality Osage; it holds its **own rich flavor** much longer than other sorts, and best of all the red-fleshed. As the introducers we pride ourselves in maintaining its uniform quality for our old time customers. We carefully re-select our seed melons each season to insure this.

Selected Stock. Pkt., 10c; oz., 25c; 2 oz., 40c; $\frac{1}{4}$ lb., 75c; lb., \$2.50.

SPECIAL SHIPPING OSAGE. Pkt., 10c; oz., 15c; 2 oz., 25c; $\frac{1}{4}$ lb., 45c; lb., \$1.40.

SPECIAL SHIPPING OSAGE. This is a selection of the Osage made for the purpose of increasing the netting more than the original type, thus bettering the shipping qualities. Our grower has been successful and this melon will stand a shipment of several hundred miles without breaking down. The quality is almost identical with Osage, although it runs a trifle smaller in size.

Pkt., 10c; oz., 20c; $\frac{1}{4}$ lb., 50c; lb., \$1.75.

VAUGHAN'S EXTRA EARLY OSAGE

Extra early strain of the Popular Orange Flesh Osage Melon. Not as large as Vaughan's Original Osage but at least ten days earlier and of equal quality. Market Gardeners will find it a money maker. Pkt., 10c; oz., 25c; $\frac{1}{4}$ lb., 60c; lb., \$2.25.



VAUGHAN'S PAUL ROSE

This is another melon introduction of Vaughan's Seed Store, and as such we offer it to professional melon growers as a variety of **basket packing** size that fills every requirement a first-class melon should have. Paul Rose is the result of crossing Osage and Rocky Ford, an exceptional combination of melon qualities, the rich quality, color of flesh and fine flavor of Osage, with the deep netted skin, shape and size of Rocky Ford. This grand melon combination produces the largest percentage of high-class table melons. It is an ideal marketing melon, and does not break down in shipping. In season it is 10 days earlier than Osage.

Selected Stock. Pkt., 10c; oz., 25c; 2 oz., 40c; $\frac{1}{4}$ lb., 75c; lb., \$2.50.

Standard Stock. Pkt., 10c; oz., 15c; 2 oz., 25c; $\frac{1}{4}$ lb., 40c; lb., \$1.40.

TIP TOP

A melon we recommend to every lover of this luscious fruit and to every gardener who grows for the market. It is a yellow fleshed melon of the very best quality. It is sweet, juicy, of finest flavor, edible to the very rind. A strong grower, and heavy yielding. **Selected Stock.** Pkt., 10c; oz., 15c; $\frac{1}{4}$ lb., 45c; lb., \$1.40.

MONTREAL MARKET NUTMEG

The largest of the nutmeg varieties. This melon is extensively raised near Montreal, being sown and grown in cold frames until ready to set out. Skin is dark green, flesh green. Pkt., 10c; oz., 20c; $\frac{1}{4}$ lb., 50c; lb., \$1.75.

VAUGHAN'S MILWAUKEE

This is a fine new melon that made its appearance in Milwaukee a few years ago. It originated as a cross between the old

This seed grown by ourselves in Michigan.

Surprise and a Gem melon. Our strain has been improved by careful selection and for a fine home melon and a market-wagon variety it has no superior. The skin is light green, fruits nearly round with only slight sutures, flesh salmon, wonderfully sweet, with almost no stringiness.

Every home gardener who can grow musk melons should plant this for 1921.

Pkt., 10c; oz., 25c; $\frac{1}{4}$ lb., 75c; lb., \$2.50.

MELON PESTS.

Watch for cutworms; Blackleaf 10 for cutworms, aphids and blight. Use Paris Green mixed with bran for cutworms; Blackleaf 10 for Aphids and Bordeaux mixture for blight.

FORCING MELONS

Highest Table Quality; Suitable for Greenhouse Growing:

SMITH'S IMPROVED EMERALD GEM FORCING. Salmon flesh.
A1 SUPERB. Scarlet flesh.
BEST OF ALL. White flesh.
BLENHEIM ORANGE. Scarlet flesh.

IMPROVED JENNY LIND.

Vaughan's Selected Stock. A compact packer, with rind thick at ends, which are flattened and are not easily broken when crated, or basket-packed for shipment. The quality of its yellowish-green flesh is unsurpassed.

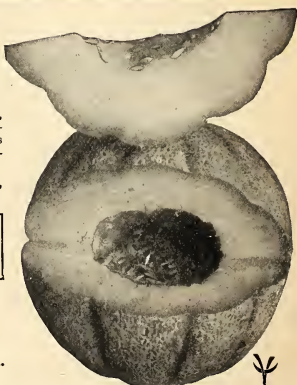
Pkt., 5c; oz., 10; $\frac{1}{4}$ lb., 35c; lb., \$1.25.

SOLID FLESH

BASKET PACKING
SIZE



MILWAUKEE MARKET



TIP TOP

DIAMOND JUBILEE. Green flesh.
RINGLEADER. Green flesh.
ROYAL SOVEREIGN. White flesh.
Price of each, pkt., 25c.

MUSKMELONS

We are the introducers of Osage, Hoodoo, Paul Rose, and Osage Gem—melons of quality, shape, and size for home or market use. Don't fail to give them a trial.

**PLANT
THE BEST**

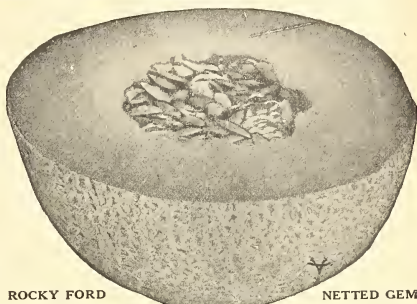
ROCKY FORD NETTED GEM

Of the green-fleshed muskmelons Rocky Ford is the recognized standard of excellence. To secure the real high class quality possible to produce in this melon it is necessary to have seed saved from choicest specimen melons only. We offer two grades of seed: Vaughan's Selected Stock which is saved from specimens of the highest class market melons—since "like produces like"—and Standard Stock saved from field-run melons from a crop in which all rogues, or untrue vines, have been discarded.

Picture at right shows specimen grown from Vaughan's Selected Stock. Note the small seed cavity and thickness of flesh. Our strain is the popular gold-lined tint.

Vaughan's Selected Stock. Pkt., 10c; oz., 20c; $\frac{1}{4}$ lb., 50c; lb., \$1.75.
Standard Stock. Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 35c; lb., \$1.25.

VAUGHAN'S CHICAGO MARKET. This we consider the best Nutmeg for earliness of maturity, large and uniform size, thickly netted skin, small seed cavity, deep green flesh, juicy delicious flavor and freedom from rot. A favorite with all who prefer a green flesh sort. Pkt., 10c; oz., 15c; $\frac{1}{4}$ lb., 40c; lb., \$1.40.



VAUGHAN'S HOODOO The Ultra Gem



HOODOO Introducer's Strain. The best salmon-colored Gem Melon. Introduced by Vaughan's Seed Store. Quality—fine grained, not stringy and of the sweetest flavor. Size and Shape—just right, so it may be served out in halves. Flesh and Color—deep orange, extremely thick. As a Shipper—uniform, like "peas in a pod." Netting is ideal, heavy and close. Prolific and uniform, produces well under unfavorable conditions and withstands blight better than most varieties.

HOODOO melons from Michigan points bring highest market prices in competition with the whole United States.

SELECT STOCK. Pkt., 10c; oz., 25c; $\frac{1}{4}$ lb., 75c; lb., \$2.50.

Standard Stock. Pkt., 10c; oz., 15c; 2 oz., 25c; $\frac{1}{4}$ lb., 40c; lb., \$1.40.

Morrill's Re-selected HOODOO (Hearts of Gold). Selected especially for shipping. Pkt., 10c; oz., 25c; $\frac{1}{4}$ lb., 75c; lb., \$2.50.

CHAMPION MARKET. The flesh is light green and of very rich sweet flavor. Early as Netted Gem, which it resembles in shape, but is fully three times its size. Very prolific, a good shipper.

Pkt., 10c; oz., 15c; $\frac{1}{4}$ lb., 40c; lb., \$1.40.

EXTRA EARLY HACKENSACK. Ten days earlier than old "Hackensack," of which this is a selection. The melons weigh 4 to 10 lbs. each; market growers should remember that this is one of the best, earliest, hardest, most prolific of netted melons—and has fine flavor. Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 35c; lb., \$1.25. Hackensack—late strain; Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 35c; lb., \$1.25.

OVAL NETTED GEM. Old style Gem which was in favor before the new Rocky Ford types, and now, in the East is often preferred to Rocky Ford.

Price, Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 35c; lb., \$1.25.



EXTRA EARLY HACKENSACK

NEW MELON, HONEY DEW



A new melon originating in the Rocky Ford district with a somewhat vague story of the first seed having come from some place in South Africa. The skin is perfectly smooth, of a delicate yellow color with incidental warts in scattered fashion. The rind is thin but very firm, the flesh is very thick and the color blends from a near white at the rind to the daintiest of emerald greens at the seed cavity which is of medium capacity. The flesh is very sweet and juicy and possesses a peculiar honey flavor. In short season localities it should be started on sods in the hot bed, as it is several weeks later than the Rocky Ford.

Honey Dew is best when quite ripe. Store a few days after picking.

Pkt., 10c; oz., 25c; 2 oz. 45c; $\frac{1}{4}$ lb., 75c; lb., \$2.50.

SWEET AIR—(New). Very popular around Washington, Baltimore and Philadelphia. Being a green fleshed melon of superior flavor and correct size, is well suited to that region, and commands the highest market price. It is 5 to 6 inches across and 7 to 8 inches long. The netting is good, and crated stand long-distance shipping. The flesh is thick, color dark green blending to light pink near the center. The vines withstand blight better than other gem sort, and remain green until fruit is fully ripe.

Pkt., 10c; oz., 20c; $\frac{1}{4}$ lb., 60c; lb., \$2.00.

GARDEN LEMON. Fruit nearly round, with yellow and green markings, skin smooth, flesh tender, sweet melon flavor.

Price, Pkt., 10c; $\frac{1}{4}$ lb., 50c.



OSAGE GEM MUSKMELON

MANGO MELON OR VEGETABLE PEACH. Orange shaped, golden yellow flesh. Makes splendid mangoes, stuffed like Peppers. For sweet pickles, pies and preserving. Cooking directions on packets.

Pkt., 10c; oz., 20c; 2 oz., 35c; $\frac{1}{4}$ lb., 60c; lb., \$2.00.

VAUGHAN'S OSAGE GEM. A real gem with salmon colored delicious flesh, and where Rocky Ford Netted Gem is produced in Colorado it is as much in favor as green fleshed variety. Introduced by us under the name "Vaughan's Osage Gem," it is now the most renowned melon of any offered on the market. It is listed in all seed catalogues under other names. The skin is heavily netted like the Rocky Ford and the luscious salmon colored flesh is of the highest quality.

Pkt., 10c; oz., 20c; $\frac{1}{4}$ lb., 50c; lb., \$1.75.

EMERALD GEM

The skin is smooth and deep emerald color, the flesh is thick and of delicate salmon tint. The vines bear early and are very prolific. A splendid home garden melon, but is not a good shipper; it is, however, one of the sweetest and best quality melons and well adapted to the purposes of the home garden.

Pkt., 10c; oz., 20c; $\frac{1}{4}$ lb., 50c; lb., \$1.75.

EARLY CITRON, LANDRETH'S. Very early half hot sort. Flesh green, of fair quality.

Price, Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 35c; lb., \$1.25.

BANANA. Cucumber shape. Delicious odor.

Pkt., 10c; oz., 20c; $\frac{1}{4}$ lb., 50c; lb., \$1.75.

EXTRA EARLY NUTMEG. Very early; green flesh.

Price, Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 35c; lb., \$1.25.

ROUND GEM. A round selection of the netted Gem.

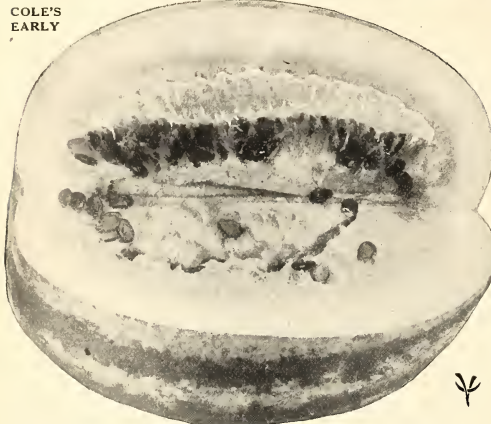
Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 35c; lb., \$1.25.

PLANT
VAUGHAN'S

WATERMELONS

PLANT
VAUGHAN'S

COLE'S
EARLY



COLE'S EARLY

Best for Northern
Latitudes.

The Northern States favorite. As an early melon it is the standard of high quality; in sugary delicious crispness, flavor and melting tenderness, it is the top-notch. For the home market it is peerless. It is oblong shaped, about 20 inches long, 12 inches through; skin mottled green, thin brittle rind, therefore not a good shipper. The flesh is rich, and deliciously sweet. Vaughan's "Cole's Early" is the most extensively planted watermelon for home-market in the Northern States, where it is the undisputed favorite. The vines are strong, vigorous and very productive.

Pkt., 10c; oz., 15c; $\frac{1}{4}$ lb., 30c; lb., 90c; 5 lbs., \$4.00; 10 lbs., \$7.50.

Melon Aphid can be controlled by the use of Black Leaf 40. (See page 126). These Aphids usually appear on the under side of the leaves. Spray the vines on the first sign or appearance of the pests. See Sprayers on page 125.

For the home garden,
plant Cole's Early
and Kleckley Sweets.

For local market,
plant Kleckley Sweets;
for shipping Tom Wat-
son.

VAUGHAN'S
KLECKLEY
SWEETS

WINTER WATERMELON

This is an exceptional melon for fine keeping quality; put in a cool place it keeps long into the winter and retains its delicious sweetness and flavor. It is early and prolific; the flesh is red, extremely firm, almost as hard as citron, very brittle and deliciously sweet. The skin is very light green, almost white, and its shape is round. It is highly satisfactory to those who want a winter variety.

Pkt., 10c; oz., 20c; 2 ozs., 30c; $\frac{1}{4}$ lb., 50c; lb., \$1.60.

HALBERT HONEY

A variety somewhat similar to Kleckley Sweets—of much darker color. The vines are very prolific and usually bear four and five very uniform melons—quality the highest.

Pkt., 10c; oz., 15c; $\frac{1}{4}$ lb., 35c; lb., \$1.00.

ALABAMA SWEETS

A Southern favorite; there it grows to perfection, and is a grand shipper. It is oblong in shape, dark green skin, irregular striped, has bright red flesh of delicious quality and sweetness. Our strain is especially fine; the seed is white.

Pkt., 10c; oz., 15c; $\frac{1}{4}$ lb., 30c; lb., 90c; 5 lbs., \$4.00.

STANDARD VARIETIES

Any of the following—Pkt., 10c;

COLORADO CITRON—For preserves.

RED SEEDED CITRON—For preserves.

CUBAN QUEEN—Late, large, good.

EARLY FORDHOOK—Earliest shipper.

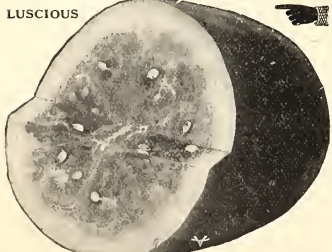
FLORIDA FAVORITE—Long, striped.

GREY MONARCH—Oblong, light green.

ICEBERG—Similar to Koh's Gem.

ICE CREAM OR PEEPERLESS—Early, fine quality melon.

LUSCIOUS



KLECKLEY SWEETS

This is a grand, old established variety of Vaughan's Special Watermelons. In its culture the greatest care is always taken by us to retain the excellent qualities for which it has become famous, and properly stands as the type of excellence for eating. It has no superior in any respect but for shipping. As a shipper it is poor, because the rind is thin and brittle. Vaughan's Kleckley Sweets—identical with "Monte Cristo"—is about 20 inches long, 10-12 inches through; has rich, dark green skin, and bright scarlet flesh, the ideal of watermelon quality. It is without cotton or stringiness and is absolutely delicious to eat, to the last bite. In the North it matures a few days later than "Cole's Early." Our seed has been grown from early ripening melons. For home and local market gardens.

Pkt., 10c; oz., 15c; $\frac{1}{4}$ lb., 35c; lb., \$1.00; 5 lbs., \$4.50.

SWEETHEART—Oval, light green mottled. Flesh bright red, very firm, yet tender. A fine shipper.

Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 25c; lb., 75c.

VAUGHAN'S BLACK DIAMOND. Very large, prolific, medium early, dark green skin, red flesh, blunt oval shape, fine shipper.

Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 25c; lb., 75c.

IMPROVED KOLB'S GEM—A standard market shipping melon.

MEIVER'S WONDERFUL SUGAR—Very sweet long melon.

MOUNTAIN SWEET—Oblong; thin rind.

PHINNEY'S IMPROVED—Early medium sized oblong melon.

RATTLESNAKE OR GYPSY STRIPED—Oblong, striped and mottled; very sweet; popular South.

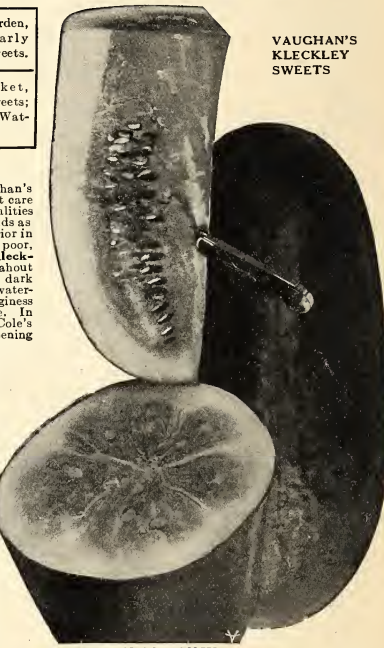
TRIUMPH—Very dark; large shipper.

SPLENDID TOM WATSON SHIPPER

There's delicious sweetness in every bite, for its eating is as splendid as its shipping quality. The flesh is rich red, crisp and tenderly melting. The quality of this melon changed the market demand from the round to the long melons. It is 24 inches long, 12 inches through, dark mottled green rind, thin but strong—flesh can be eaten almost to the skin. A great money maker in all markets.

Pkt., 10c; oz., 15c; $\frac{1}{4}$ lb., 35c; lb., \$1.00; 5 lbs., \$4.50.

The U. S. Mail brings our store right to your door. Read inside back cover showing how we prepay to all zones for 5 cents extra.



SWEET AS HONEY

STRONG
RIND



TOM WATSON

TENDER

SUGARY

MUSHROOMS RAISED FROM VAUGHAN'S SPAWN YIELD BIG PROFITS

The cultivation of a Mushroom-bed is a highly profitable enterprise; the demand for **FIRST QUALITY MUSHROOMS** is great and growing. Hotels and high-class restaurants use enormous quantities; and in the homes of the well-to-do, the use of this dainty, table delicacy has marked such increase in recent years that mushrooms are a regularly ordered article from the green grocer or fancy grocery. In the basement or any watertight shed or outbuilding, where the temperature

in cold months can be maintained at 55 to 65 degrees Fahrenheit, mushrooms will grow and flourish, and produce profitable and highly satisfactory results. We furnish free of charge a leaflet "How to Grow Mushrooms," when requested, with orders for mushroom spawn. We supply the largest commercial growers in the U. S. with spawn. Vaughan's Seed Store is headquarters in the United States for live, highest quality Mushroom Spawn.

PURE CULTURE SPAWN



Lambert's New Process Spore Culture Spawn (Novelty.)

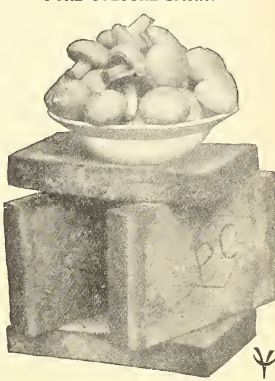
In this new Spore Culture spawn which has been developed in France and is now produced in America a more vigorous and a more prolific spawn is claimed. Not only that but types have been more definitely fixed and absolute uniformity secured. Every element of uncertainty has been eliminated; the old varieties have been improved and, because of the fact that the mushrooms are derived from the spores direct, without dilution or transfer, greater vigor and productiveness is assured.

We offer same kinds and numbers as of the "Pure Culture Tissue" Spawn quoted below.

Price—Brick (weight $1\frac{1}{2}$ lbs.) 35c; 5 bricks, \$1.50; 10 bricks, \$2.75; 25 bricks, \$5.50; 100 bricks, \$20.00.

Make bed in basement or any outbuilding. Maintain temperature 55 to 65 degrees Fahrenheit. You will require a spray pump for your mushroom bed. We have them in all styles from the simple inexpensive hand pumps to the more elaborate tank, bucket and barrel sprayers. See implement pages.

PURE CULTURE SPAWN



LAMBERT'S "PURE CULTURE TISSUE" MUSHROOM SPAWN

Made from mushrooms grown under cultivation; absolutely fresh, of quicker and stronger growth than imported spawn. Our manufacturers in the country keep us supplied with regular monthly shipments to meet the extensive

business we have developed in this line—the result is our patrons secure the best, quickest and liveliest spawn on the market. The varieties we carry are white cream-white and brown.

Price—Direct Bricks, inoculated direct from Pure Culture Tissue. Brick, (weight, $1\frac{1}{2}$ lbs.), 30c; 5 bricks, \$1.30; 10 bricks, \$2.50; 25 bricks, \$4.75; 100 bricks, \$18.00.

No. 7. Brown (Bohemian) a good producer of heavy mushrooms.

No. 8. Cream white, a mammoth strain.

No. 9. White (Alaska) Popular market variety.

Please order by number.

Write us for special prices on case lots, also for mushroom grower's supplies. Booklet on raising mushrooms sent postpaid for 35c, or free with order to value \$2.50.

The Mushroom Spawn you sent some time ago is coming fine.
D. NORR, Moscow, Idaho.



THE PRODUCT OF LAMBERT'S NEW PROCESS
"SPORE CULTURE" SPAWN.

OKRA, OR GUMBO

This vegetable should be planted a great deal more than it is. Extremely easy to grow and its young seed pods are delicious in soups and alone. Probably the finest known vegetable for this use. Full planting and cooking directions on each package.

WHITE VELVET. Produces pods larger than any other. They are never prickly to the touch, always round and smooth, while in other varieties they are either ridged or square-holed. Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 25c; lb., 75c.

DWARF. Grows low but stocky and is very productive. Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 25c; lb., 75c.

TALL OR PERKINS' MAMMOTH. The long pods measuring 4 and 5 inches are produced in great quantities. Handsome, green color and best quality. Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 25c; lb., 75c.



ENGLISH MUSHROOM SPAWN

Our English Mushroom Spawn manufacturer is the oldest established and most extensive grower in the world. The superiority of this over all other importations is well known by experienced mushroom growers. We are the largest importers in the U. S., receiving 8 to 12 shipments annually; this spawn is carefully made from perfectly grown specimens. It comes in the form of pressed bricks.

Prices, (weight per brick, $1\frac{1}{2}$ lbs.), brick, 25c; 2 bricks, 40c; 8 bricks, \$1.40; 25 lbs., \$3.25; 100 lbs., \$12.00; if shipped from New York, per 100 lbs., \$11.50.

Special prices on $\frac{1}{2}$ ton lots and upward.

MARTYNIA—For Pickles

The young and tender seed pods make a very fancy pickle. These pods are of curious shapes and borne abundantly. They should be gathered when less than half grown. Pkt., 10c; $\frac{1}{2}$ oz., 30c; oz., 50c.

For culture see "Vaughan's Vegetable Garden," mailed free with \$1 order for Garden Seeds in packets or ounces.

MUSTARD

Leaves useful as salad or boiled like Spinach.

CHINESE OR GIANT SOUTHERN CURLED. Large leaves often measure 14 inches; ready for use in about six weeks after sowing. Plants will continue to yield until frosty weather. Leaves boiled like Spinach. Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 30c; lb., \$1.00.

IMPROVED OSTRICH PLUME. The handsomest of the Mustards. Rich dark green leaves of excellent quality. Vigorous habit and withstands summer heat. Pkt., 5c; oz., 15c; $\frac{1}{4}$ lb., 35c; lb., \$1.25.

WHITE, Best for general use. } Pkt., 5c; oz., 10c;
BROWN, Stronger than above. } $\frac{1}{4}$ lb., 30c; lb., \$1.00.

**PLANT
THE BEST**

Beware of
Onion seed of
slow sprouting
vitality. Sow
Vaughan's
tested seed.

VAUGHAN'S ONIONS

TRUE TYPE
BEAUTIFUL
YELLOW
SKIN



A greatly increased consumption is the most notable feature of this year's market as regards the future growing of large or market onions. Among the best informed produce dealers the opinion is that this increased use is only in part due to the year's comparatively low prices. In our opinion onion growers may look forward with confidence to a profitable return on an average acreage for the coming year.

Onion seed, both Eastern grown and Western

seed, is in good supply in spite of the high value of planting bulbs last spring. Also on account of the favorable season quantity and germination is higher than ordinarily.

It has been demonstrated time and time again that our Eastern (Illinois grown) onion seed, grown from carefully selected bulbs, actually wintered over in storage for seed purposes, produces better keeping onions than seed raised from California bulbs planted out late in the fall in the mild climate of the Pacific Coast.

SOUTHPORT YELLOW GLOBE

The Vaughan strain of this onion is the most uniform on the market today. It is well shaped and is not so elongated as to make any undersized specimens seem like picklers. Our eastern seed bulbs are hand sorted by ourselves and the seed grown under our direct supervision. The ideal heavy yielding, long keeping Golden Yellow market onion.

Eastern Crown Seed. Pkt., 10c; oz., 25c; $\frac{1}{4}$ lb., 75c; lb., \$2.50; 5 lbs., \$12.00; 10 lbs., \$22.00.
California Crown Seed. Pkt., 10c; oz., 20c; $\frac{1}{4}$ lb., 50c; lb., \$1.75; 5 lbs., \$8.25; 10 lbs., \$16.00.

OHIO RED GLOBE

An onion with fine uniform Red Color. Shape resembles Ohio Yellow Globe. The seed is grown for us by the originator of the strain, an experienced onion grower in Lake County, Ohio. Pkt., 10c; oz., 25c; $\frac{1}{4}$ lb., 75c; lb., \$2.50; 5 lbs., \$12.00; 10 lbs., \$23.00.

SOUTHPORT RED GLOBE

In shape this onion is similar to our Southport Yellow Globe but a little deeper. The color is a rich dark red showing its years of Eastern breeding. California grown seed produces a lighter colored onion. A wonderful keeper with finely bred neck and a heavy yielder.

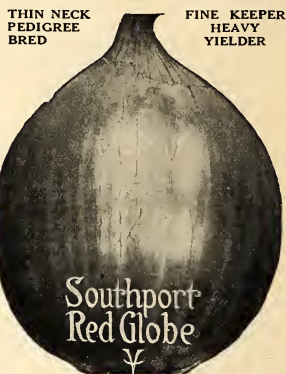
Eastern Crown Seed. Pkt., 10c; oz., 25c; $\frac{1}{4}$ lb., 75c; lb., \$2.50; 5 lbs., \$12.00; 10 lbs., \$23.00.

ONION, IDEAL YELLOW GLOBE

A "bottle necked" type of Yellow Globe Onion selected along the lines of the European Pear-shaped Onions. This type is much admired by many onion growers, and under favorable conditions produces the finest appearing bulbs of any market onion. Pkt., 10c; oz., 25c; $\frac{1}{4}$ lb., 80c; lb., \$2.75.

THIN NECK
PEDIGREE
BRED

FINE KEEPER
HEAVY
YIELDER



SOUTHPORT RED GLOBE (California Seed). Pkt., 10c; oz., 20c; $\frac{1}{4}$ lb., 60c; lb., \$2.00; 5 lbs., \$9.50; 10 lbs., \$18.50.

VAUGHAN'S SPECIAL YELLOW GLOBE

WE STAKE OUR REPUTATION ON THIS ONE

An early Yellow Globe introduced by us into the Chicago section recently. Slightly smaller than Southport. It produces a fine market onion. In some places early sowing did no damage to this onion last year, but ruined the later crop.

Pkt., 10c; oz., 20c; 2 oz., 35c; $\frac{1}{4}$ lb., 60c; lb., \$2.00.

APPLE-SHAPED RED GLOBE

Eastern Crown Seed. Rounder than Southport Red Globe. Very small neck; sound and solid. Color Dark red.

Pkt., 10c; oz., 25c; $\frac{1}{4}$ lb., 75c; lb., \$2.50.

AILSA CRAIG

A SURE
PRIZE WINNER



For Early Green
Onion plant Onion
Sets. See page 36.

LARGE POPULAR

AILSA CRAIG—Vaughan's Selected Stock

A winning sort, gaining in popularity every season, because it makes money for the grower. This onion has individual merit by which it has secured, and retains, recognition. It has a handsome appearance, being large—12 have been known to weigh 30 pounds—it has fine straw-colored skin; these qualities make it excellent for exhibition purposes, in which it is a successful competitor of large, imported Spanish onions. The shape is globular and it forms a fine thin neck which tells of its bred-in fine quality; it is, for a large onion, a splendid keeper; for eating raw it has no superior, it is mildly pungent in flavor, sweet and desirable. Pkt., 15c; oz., 50c; $\frac{1}{4}$ lb., \$1.50; lb., \$5.00.

PRIZETAKER—American Grown

Amongst large onions this one is exceptional for size and beauty; it is of the same type as the large Spanish onions, imported and sold for high prices. Vaughan's American-grown seed has become finely acclimated through many years of very careful, painstaking culture. Prizetaker is a yellow globe that matures to great size under right conditions; it requires a long season and should be started early in hot bed. When properly ripened it is a good keeper. Pkt., 10c; oz., 20c; $\frac{1}{4}$ lb., 60c; lb., \$2.00; 5 lbs., \$9.50; 10 lbs., \$18.50.

To attain largest size, plant in early spring in hot bed, later transplant to open ground. This applies to all large onions.

LARGE RED WETHERSFIELD

An onion of very productive habit and a fine keeper. The skin is deep purplish red, which covers a round, somewhat flattened bulb of purplish white flesh. Moderately fine grain and mild flavor. In poor soil it does best, growing a thinner neck than in strong soil. It is standard in its class, in the South and Southwest where immense quantities are grown for market. Our seed is carefully selected California grown—none better.

Pkt., 10c; oz., 20c; $\frac{1}{4}$ lb., 60c; lb., \$2.00; 5 lbs., \$9.50; 10 lbs., \$18.00.

ONION, GIANT GIBRALTAR

A variety similar to Prizetaker. We offer American-grown seed raised from bulbs produced from European seed. The strains runs slightly larger in size than the usual run of Prizetaker. Pkt., 10c; oz., 25c, $\frac{1}{4}$ lb., 85c; lb., \$3.00.

LARGE RED

WETHERSFIELD

PEDIGREED SEED

No seed of unsatisfactory germination is sold by us. We test each lot and each bag. Sow Vaughan's Eastern Grown Onion Seed.

**PLANT
THE BEST**

The growing and storing of the Globe or market varieties of Onions interests thousands of our customers, and to this type we have given special attention, resulting in the best that can be produced. Vaughan's "Ideal" type is almost globe shaped, not elongated, (see illustration). The strain which we use has been selected by the same growers for more than 20 years and is, in our opinion, the best fixed White Globe Onion. We offer this same type of Southport Yellow

Globe grown in California at a lower price than Eastern seed. Our Ohio Yellow Globe Onion is grown in Lake County, Ohio. This is a flat-bottomed, high-necked type, specially suited to muck soils. Our Fancy Yellow Globe Danvers is a slightly flatter onion than the Ohio Yellow Globe; Globe Danvers still flatter and Yellow Danvers and Strasburg really flat.

In handling our Eastern seed, different colors are sown $\frac{1}{2}$ mile apart, and stored in different houses after harvest.

OHIO
YELLOW
GLOBE



CRYSTAL-
LIKE
SKIN

GLOBE OF
FINEST
QUALITY

VAUGHAN'S IDEAL WHITE GLOBE

A strikingly handsome onion; expert market growers recommend it in the highest terms. This is a very early type; it ripens evenly and is a fine keeper; the small, high-bred neck tells the story of quality; it is a true globe, pure white Vaughan high merit onion. Market growers have been our constant, satisfied customers, for this onion for many years.

Eastern grown seed. Pkt., 15c; $\frac{1}{2}$ oz., 25c; oz., 45c; 2 oz., 80c; $\frac{1}{4}$ lb., \$1.50.

California grown seed. Pkt., 10c; $\frac{1}{2}$ oz., 15c; oz., 25c; $\frac{1}{4}$ lb., 75c; lb., \$2.50; 5 lbs., \$12.00; 10 lbs., \$23.00.

OHIO YELLOW GLOBE



Another of Vaughan's successful, globe-shaped onions. It attracts attention by its uniform shape, beautiful color and fine size, in all of which it outclasses the old type Yellow Globe Danvers. Its finely bred neck, large size, solid flesh of mild sweet quality, uniform growth, heavy yielding and superb keeping quality have made it a favorite with all growers. Eastern Grown Seed. Pkt., 10c; oz., 25c; $\frac{1}{4}$ lb., 75c; lb., \$2.50.

California Grown Seed. Pkt., 10c; oz., 20c; $\frac{1}{4}$ lb., 55c; lb., \$1.75; 5 lbs., \$8.25.

AUSTRALIAN BROWN GLOBE. Large light brown skin and an average bulb 3 in. in diam.; weighs about 7 oz. Perfect globe-shape, quick to mature, ripens evenly on all sides; thin neck, long keeper, solid flesh, grand shipper. Pkt., 10c; oz., 20c; $\frac{1}{4}$ lb., 50c; lb., \$1.75; 5 lbs., \$8.25; 10 lbs., \$16.00.



VARIETIES

Your Onion Seed has proved to be
great in coming up—three weeks—
and are now ready to work.
T. J. MARTIN, Denham, Ind.

FANCY
YELLOW
GLOBE
DANVERS

Buy Early—Plant Early. Use
Nitrate of Soda for Onions; it
gives young plants needed
food. See page 135.



FANCY YELLOW GLOBE DANVERS

This onion is a standard amongst the large types; it is early, almost true globe shape, beautiful yellow skin, pure white flesh, of very fine quality. It has a good size, and a fine thin neck. Vaughan's strain is so near to globe shape that it passes for globe on the market, and being several weeks earlier than Southport Globe, it sells for the higher early market prices. The crop ripens uniformly at one time, and its keeping quality is excellent.

Pkt., 10c; oz., 20c; $\frac{1}{4}$ lb., 55c; lb., \$1.75; 5 lbs., \$8.25; 10 lbs., \$16.00.

YELLOW FLAT DANVERS

A standard Onion with many splendid qualities; a valuable general crop sort. It is of medium size, quite thick through but flattened, has coppery yellow skin, and creamy white flesh which is mild and of pleasant flavor. It combines a large yield with very even ripening quality.

Pkt., 10c; oz., 15c; $\frac{1}{4}$ lb., 45c; lb., \$1.50; 5 lbs., \$7.00; 10 lbs., \$13.50.

For home or market
gardens it is equally
popular and standard.



YELLOW FLAT

DANVERS

If you and your neighbors use a large quantity of Onion Seed let us quote you special "Quantity Prices" with our samples and test marks, as early as you can.

YELLOW GLOBE DANVERS. Same as Fancy Y. G. Danvers, except that it does not run as globe shaped, but color, ripening and keeping are identical. Pkt., 5c; oz., 20c; $\frac{1}{4}$ lb., 50c; lb., \$1.60; 5 lbs., \$7.50; 10 lbs., \$14.50.

MAMMOTH SILVER KING. Averages 15 to 22 inches in circumference and weighs 2 $\frac{1}{2}$ to 4 lbs. It matures early and is uniformly large and of good shape; flat, but thick. Skin is clear silvery white, flesh snowy white tender, sweet and mild. Ideal for exhibition, fancy market or table. Pkt., 10c; oz., 25c; $\frac{1}{4}$ lb., 85c; lb., \$3.00.

CRYSTAL WHITE WAX. This is a pure white flat onion, very popular in the South, especially in Texas. We have also found it well suited to the North, in our trials of this strain. Tenderly seed. Pkt., 15c; oz., 60c; $\frac{1}{4}$ lb., \$1.65.

WHITE BERMUDA. In Bermuda and Texas a great many carloads of these very large onions are produced annually; they are shipped North for early spring use. Our imported Teneriffe seed gives best results. Pkt., 15c; oz., 50c; $\frac{1}{4}$ lb., \$1.50; lb., \$5.00.

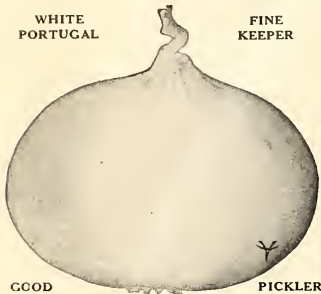
**PLANT
THE BEST**

Vaughan's Onions

**PLANT
THE BEST**

**WHITE
PORTUGAL**

**FINE
KEEPER**



WHITE PORTUGAL OR SILVERSKIN

This beautiful white onion is a splendid sort for growing white onion sets, pickles and for early bunching green onions; for any one or all of these purposes it is extensively planted by growers who produce the varieties named as large white onions for fall and early winter use. Vaughan's White Portugal or Silverskin is a medium size bulb, flat shape, as shown in the illustration. It has fine mild flavor, and is best of the white onions for keeping. Pkt., 10c; oz., 20c; $\frac{1}{4}$ lb., 60c; lb., \$2.00. By express—5 lbs., \$9.50; 10 lbs., \$18.50.

STRASBURG OR YELLOW DUTCH

Large and more flat than Yellow Danvers, has white flesh of fine grain, mild, well flavored—a splendid yellow onion for sets. Our seed is very carefully grown and has no superior.

Pkt., 10c; oz., 15c; $\frac{1}{4}$ lb., 45c; lb., \$1.50. By express—5 lbs., \$7.00; 10 lbs., \$13.50.

GREEN ONIONS FROM SETS will be your first Garden Crop 30,000 packets sold by us in New York and Chicago in one spring.

EARLY WHITE WELSH ONION

The best kind for green onions, forms no bulb. Plants can be propagated from seeds or divisions. Pkt., 10c; $\frac{1}{2}$ oz., 20c; oz., 30c; $\frac{1}{4}$ lb., \$1.00; lb., \$3.50.

BROWN AUSTRALIAN (Flat)

A very desirable onion of medium size, with amber brown skin and solid white flesh. It is early, a heavy yielder, and a long keeper; keeps well in warm climates.

Pkt., 5c; oz., 15c; $\frac{1}{4}$ lb., 40c; lb., \$1.25. By express—5 lbs., \$5.75; 10 lbs., \$11.00.

EXTRA EARLY FLAT RED

One of the handsomest red onions, and first to ripen; grown from Vaughan's carefully grown seed will ripen two weeks earlier than other strains.

Pkt., 10c; oz., 20c; $\frac{1}{4}$ lb., 60c; lb., \$2.00. By express—5 lbs., \$9.50; 10 lbs., \$18.50.

OHIO GROWN FLAT YELLOW

A very hard long-keeping onion, especially bred for growing sets.

Pkt., 5c; oz., 15c; $\frac{1}{4}$ lb., 45c; lb., \$1.50.

CHIVES. See page 52 (under Herbs) for seed.

We have made a specialty of high grade, pure type onion seed for many years. If you require a large quantity write for special prices before ordering elsewhere.

The Onion Seeds and Sets were sure fine and I hope to do business with you next season.

KARL W. GREIFE, Pittsfield, Ill.



ITALIAN ONION SEED

VAUGHAN'S PICKLING. One of the best white onions for pickling; it is small, round, hard, crisp and tender, early and ripens uniformly. A very handsome sort with opaque white skin. Excellent for green onions.

Pkt., 10c; oz., 30c; $\frac{1}{4}$ lb., 85c; lb., \$3.00.

WHITE QUEEN. Remarkable for earliness and very mild flavor, it is small and white skinned. Pkt., 10c; oz., 30c; $\frac{1}{4}$ lb., 85c; lb., \$3.00.

WHITE BARLETTA. Beautiful waxy-white. Pkt., 10c; oz., 30c; $\frac{1}{4}$ lb., 85c; lb., \$3.00.

I had exceptional success this past season with your Ailsa Craig Onion seed. The Onions when harvested far excelled in sweetness and tenderness any onions I have ever grown.

IDA D. BENNETT, Coldwater, Mich.

ONION SETS

Illustration shows fair samples of our RED, WHITE and YELLOW SETS, the inset bulbs showing about natural size of "Hazel" Sets.



WHITE BOTTOMS

Pint, 20c; quart, 35c; $\frac{1}{2}$ pk., 75c; peck, \$1.25; bushel, \$4.00.

YELLOW BOTTOMS

Pint, 15c; quart, 30c; $\frac{1}{2}$ pk., 50c; peck, 85c; bushel, \$3.00.

RED BOTTOMS

Pint, 15c; quart, 30c; $\frac{1}{2}$ pk., 50c; peck, 85c; bushel, \$4.50.

SPECIAL OFFER No. OSI—1 pint each, 3 colors, 50c; 1 quart each, 3 colors, 80c. (Postage extra).

EGYPTIAN OR RED PERENNIALS

These we sell largely in the Fall. Planted then they produce very early green onions. Pint, 20c; qt., 35c; $\frac{1}{2}$ pk., 75c; pk., \$1.25; bu., \$4.00.

Pint and quart prices for Onion Sets shown on this page include Parcel Post prepayment through first three zones. For farther zones add 5c per pound. In figuring cost remember each quart weighs 1 $\frac{1}{2}$ pounds.

Please Read This Page Carefully.

We grow, grade and store in special warehouse the best quality possible. Orders are filled with dry, unsprouted sets. Our warehouse has 50,000 bushels capacity. Day and night men protect against weather changes. Onion Sets produce ripe onions much quicker than does Onion Seed, enabling the planter to secure the highest market prices for his early onions and to raise a second crop.

VAUGHAN'S HAZEL SIZE ONION SETS

These are especially screened and carefully selected and run about $\frac{3}{8}$ inch in diameter.

Price, Hazel Size, White, Red or Yellow.

Pint, 25c; qt., 45c; larger quantities at qt. prices.

WHITE MULTIPLIERS

For First Early Spring Bunching Onions. They are pure silvery-white, which runs well up the stem, very sweet and mild flavor, superior to green onions from other sets. There are usually several stalks from a single bulb, which makes them very productive. They are ready for table earlier than any other. Pint, 25c; quart, 40c; $\frac{1}{2}$ pk., 90c; peck, \$1.60; bushel, \$6.00.

SHALLOTS OR YELLOW MULTIPLIERS. Flavor much superior to ordinary onions. Pt., 20c; qt., 30c; $\frac{1}{2}$ pk., 80c; pk., \$1.35; bushel, \$4.50.

RED SUMMER TOP SETS. These are planted to produce both early "Green Onions" and large eating onions. Pint, 20c; quart, 35c; $\frac{1}{2}$ pk., 90c; peck, \$1.50; bushel, \$5.50.

YELLOW POTATO. They produce large, dry ripe onions, earlier than any other kind. Pt., 20c; qt., 30c; $\frac{1}{2}$ pk., 80c; pk., \$1.35; bushel, \$4.50.

All Onion sets offered by us are sold on a basis of 32 lbs. to the bushel except Summer Tops and Egyptian which weigh 28 lbs.

**PLANT
THE BEST**

PEERLESS PEPPERS

**PLANT
THE BEST**

VAUGHAN'S GIANT MAGNUM DULCE

This grand pepper has appropriately been styled the "Salad King." But it is not in salad form alone that it excels, for there are other forms in which to prepare it. The seeds having been removed it may be stuffed, either with dressing as used in fowl or with meat, such as ground steak with onions or other seasoning. Sliced and fried as egg plant, it is a delicious dish, or it may be eaten raw, it is so mild. Vaughan's Magnum Dulce Sweet Pepper can be grown to immense size, 7 inches long and 4 inches through, but when grown so large the yield is small. To get a larger yield of medium sized peppers, pinch off the "king flowers," the first ones to open. Vaughan's Seed of Magnum Dulce is saved from picked specimens.

Pkt., 10c; ½ oz., 40c; oz., 75c; ¼ lb., \$2.25.

NEW SWEET UPRIGHT SALAD

Is an early, prolific, good sized, sweet, mild, pepper; so mild indeed that it may be eaten raw. In the northern states it is a most desirable sort; in habit the bushes are of medium height, and bear the peppers upright, not drooping. The size being medium they are just right for stuffing and frying; the bright glossy green color, which turns to a waxy red when ripe, makes this a very attractive pepper.

Buy Vaughan's Seed—the best.

Pkt., 10c; ½ oz., 40c; oz., 75c; ¼ lb., \$2.25.

CRIMSON GIANT, Early Pepper

An especially desirable sort for the Central States as it matures the earliest of all the large red sweet peppers. In habit the plant grows two and one half feet high and bears a large quantity of fruits. The peppers are large, run even in both size and shape. The color is deep green when young and a rich red when ripe, flesh thick, sweet, and mild.

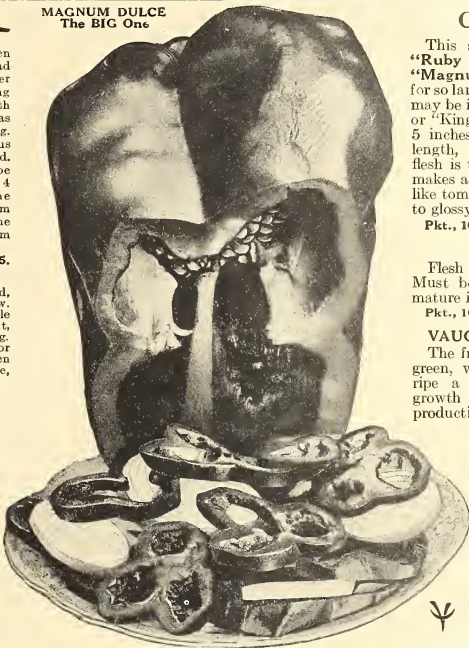
Pkt., 10c; ½ oz., 35c; oz., 60c; ¼ lb., \$2.00.

NEAPOLITAN

A great market variety on account of its earliness and productiveness. Two weeks earlier than Bull Nose. The fruit is of good size, growing on a vigorous stalky plant. The flesh is quite thick and mild. Color a light green changing to a bright red when ripe.

Pkt., 10c; ½ oz., 30c; oz., 50c; ¼ lb., \$1.60.

MAGNUM DULCE The BIG One



CHINESE GIANT

This standard variety is larger than "Ruby King," but not so large as "Magnum Dulce." It is very prolific for so large a pepper. The productiveness may be increased by pinching off the first or "king blossoms." The fruit grows 4 to 5 inches broad on top and of equal length, and quite uniform in size; the flesh is unusually thick, mild flavor and makes a very fine salad sliced and served like tomatoes. The color is green turning to glossy scarlet when ripe.

Pkt., 10c; ½ oz., 35c; oz., 60c; ¼ lb., \$2.00.

PIMENTO

Flesh extremely thick and very mild. Must be started early in the North to mature its fruits fully.

Pkt., 10c; ½ oz., 30c; oz., 50c; ¼ lb., \$1.60.

VAUGHAN'S SWEET MOUNTAIN

The fruit when young is a bright, deep green, without shade of purple; when ripe a handsome red. The habit of growth is strong and it is very productive; the flesh, though sharper than "Upright Sweet Salad," is very mild and thick. The peppers often grow 6x4 inches.

Pkt., 10c; oz., 50c; ¼ lb., \$1.60.

RUBY KING

One of the most popular varieties growing 4½ to 6 in. long, 3½ to 4 in. thick. The peppers are a bright ruby red and are among the best sorts for pickles. Quite sharp in flavor; the flesh is thick, crisp and tender.

Pkt., 10c; oz., 50c; ¼ lb., \$1.60.

OTHER PEPPER SORTS

BULL NOSE. Sweet Mountain.
CAYENNE. Long red; very hot.
CAYENNE PICKLING. Dwarf; upright.
CELESTIAL. Ornamental.
ELEPHANT'S TRUNK. Long, scarlet.
MAMMOTH GOLDEN QUEEN.

GOLDEN DAWN. Mild yellow.
RED CHILI. Good hot pickling.
RED CUSTER. Small and pungent.
RED CHERRY. Fruit small; good pickler.
SWEET SPANISH MONSTROUS.
TABASCO. Hottest of all.

Price of the above: Pkt., 10c; ½ oz., 30c; oz., 50c; ¼ lb., \$1.60.

Big Rock, Ill., Feb. 18, 1920.
I want to say a word in favor of your seeds. I have been so pleased with the results, I scarcely ever have any kind fail and of the few that I have had any fail I could not say it was not the fault of the seed but conditions of the weather. I always have a successful garden for my plants are so strong and vigorous. I have used your seeds seven years. Respectfully,
MRS. S. J. SCHUMACHER, R. F. D. No. 1.

Plant 1 oz. to 25 hills,
4 pounds to the acre (alone),
or 2 pounds (with corn).

VAUGHAN'S PUMPKINS

In a small garden plant pumpkins along a low fence which vines will climb on.

VAUGHAN'S SUGAR PIE PUMPKIN

Is so well known as the best pie pumpkin it requires little description. The fruit is small to medium size, with solid fine grained flesh, and such a sweet, sugary, delicious flavor they all call for "more"; the seed cavity is small.

Pkt., 10c; oz., 15c; ¼ lb., 40c; lb., \$1.35.

VAUGHAN'S MAMMOTH PRIZE. A really enormous variety; specimens have been grown as large as 200 lbs. Notwithstanding its immense size it is among the best pie pumpkins.

Flesh fine grained, sweet and tender. Requires a late crop corn season to mature and should be given plenty of room (one plant to a hill) to reach its largest size.

Pkt., 10c; oz., 25c; ¼ lb., 75c; lb., \$2.50.

CALHOUN. Medium size, solid and of excellent quality. Skin cream; flesh, salmon yellow. A fine pie variety. Pkt., 10c; oz., 15c; ¼ lb., 45c; lb., \$1.50.

WINTER QUEEN OR WINTER LUXURY.

Generally regarded as the finest quality pie pumpkin. Besides its high quality it is the best Winter keeper of all. In size about nine or ten inches in diameter; its skin is a beautiful deep orange yellow with a very close netting almost as russet as a potato.

Pkt., 10c; oz., 15c; 2 oz., 25c; ¼ lb., 45c; lb., \$1.50.

SMALL SUGAR. Flat sort, good for the home garden.

Pkt., 10c; oz., 15c; ¼ lb., 40c; lb., \$1.35.



VAUGHAN'S SUGAR PIE PUMPKIN

LARGE CHEESE

Of large size, shape flat like a cheese box; very productive. Keeping quality excellent, extra well flavored and sweet. A good sort for pies as well as for feeding. Skin buff color; flesh yellow. Pkt., 5c; oz., 15c; ¼ lb., 35c; lb., \$1.25.

LARGE FIELD OR "BIG TOM." The standard pumpkin grown in corn fields to make a feeding crop for cattle. The vines are strong, vigorous and wonderfully prolific. Fruit averages fifteen to twenty inches in diameter. Smooth, hard, reddish orange skin with rich orange-yellow flesh.

Pkt., 5c; oz., 15c; ¼ lb., 35c; lb., \$1.25.

OTHER DESIRABLE KINDS

	Pkt.	oz.	2 oz.	¼ lb.	lb.
JAPANESE PIE. Finest quality, good keeping.	10c	20c	35c	50c	\$1.75
GOLDEN EGG. Orange color. Flesh yellow, excellent flavor.	10	15	25	45	\$1.50
SWEET POTATO. Bell-shaped. White flesh. Used for pies.	10	20	35	50	\$1.60
LARGE TOURS OR MAMMOTH FRENCH. Very large size.	10	20	35	50	\$1.75
QUAKER PIE. Pear-shaped. Rich flavor and good keeper.	10	20	35	50	\$1.75
CUSHAW WHITE OR CUSHAW STRIPED. Popular southern sort; fine flavor. Either one...	10	20	35	50	\$1.60

PLANT THE BEST

We are now offering Peas by the pound, instead of dry measure. 1 lb. is a little more than 1 pint. 2 lbs., are a little more than 1 quart. Write for prices on larger than 10-lb. lots.

VAUGHAN'S

LITTLE MARVEL

The most satisfactory pea in the average home garden. In season it is the same as Nott's Excelsior and American Wonder. The big point in its favor is that it remains in prime picking condition a week longer than the older sorts. Very productive, hardy, luscious and sugary. Vines 18 inches, pod dark green, well filled. Pkt., 10c; lb., 45c; 2 lbs., 85c; 10 lbs., \$3.50.

NOTT'S EXCELSIOR

Almost as early as the round seeded varieties—only 2 to 3 days later—but far superior to them in quality. Vines about 15 inches high, pods about 3 inches long, each containing 5 to 7 peas of good size, tender and delicious. The vines are vigorous and very prolific. It is easily grown, requires no support and is desirable for the home garden.

Pkt., 10c; lb., 35c; 2 lbs., 70c; 10 lbs., \$2.75.

PIONEER—"Giant Podded Dwarf"

About the same general usefulness as Laxtonian. In some sections this pea has done better than Laxtonian, while in others Laxtonian is in greater favor—pods as large as Gradus; almost if not quite as early. The peas are large and of superb flavor.

Pkt., 10c; lb., 45c; 2 lbs., 85c; 10 lbs., \$3.50.

Vaughan's New Pea, TOP O' THE MORN

This is one of the best of the new Dwarf Giant Podded Peas. The vines are of a deep green color, growing 18 inches in height. The pods are blunted, like Nott's Excelsior or Little Marvel, and are produced in clusters all up the haulm.

Pkt., 10c; lb., 35c; 2 lbs., 70c; 10 lbs., \$2.75.

SUTTON'S EXCELSIOR IMPROVED

Is a very fine first early dwarf pea, regarded by some as the best of the wrinkled sorts. It is very hardy; can be planted early; vines are 18 inches high, very prolific; pods are almost square at lower end, larger and broader than the usual dwarf pea, and dark green color.

Pkt., 10c; lb., 45c; 2 lbs., 85c; 10 lbs., \$3.50.

Antioch, Ill., June 17, 1920.

The plants already received, very fine ones and the seed potatoes were choice ones and I never saw finer ones.

BYRON L. SAWYER.



LITTLE MARVEL

EARLY AND MAIN

NEW PEA, LAXTONIAN

The New Dwarf Gradus

This is another of Vaughan's Specials that has proved itself a winner for gardeners. It is extra early, tall, has large pods like "Telephone," which are filled with the finest flavored peas. Laxtonian is in season a few days later than the first earlies. It is really a Giant Podded Early Dwarf—in a class almost by itself, for size, appearance and productiveness.

Pkt., 10c; lb., 45c; 2 lbs., 85c; 10 lbs., \$3.50.

AMERICAN WONDER

Is an extra early dwarf wrinkled pea, of standard quality. The vines are dwarfed than Nott's Excelsior, being only 10 to 12 inches high. Pods are firm and well filled with peas of splendid quality.

Pkt., 10c; lb., 35c; 2 lbs., 70c; 10 lbs., \$2.75.

EXTRA EARLY PREMIUM GEM OR LITTLE GEM

An early dwarfed wrinkled pea, not so upright in habit as "American Wonder," but the vines, which grow 16 to 18 inches high, require no support, and yield great quantities of pods, 3 inches long, filled with peas of fine quality.

Pkt., 10c; lb., 35c; 2 lbs., 65c; 10 lbs., \$2.50.

LAXTON'S SUPERB PEA

This is a semi-wrinkled, extra early dwarf pea; permits early planting as it does not rot in the ground as fully wrinkled peas do. The pods are very large and borne in profusion.

Pkt., 10c; lb., 45c; 2 lbs., 90c; 10 lbs., \$3.75.

NORTHERN GROWN

EXTRA EARLY

SURPRISE—Pea of Quality



SURPRISE PEA

VAUGHAN'S SELECT EXTRA EARLY MAUD S

Vaughan's strain of this excellent sort should be planted by every grower. Vines are 20 to 26 inches high, pods 2 1/2 to 3 inches long, each having 5 to 7 peas. The delicious sweetness, rich flavor, and tenderness of Vaughan's Maud S are the qualities for which our strain is known by growers and consumers. Seed white, round and smooth; crop ripens evenly and extra early.

Pkt., 10c; lb., 30c; 2 lbs., 60c; 10 lbs., \$2.25.

FIRST AND BEST

Not quite as early as Maud S, a trifle larger and a heavier yielder. Pkt., 10c; lb., 30c; 2 lbs., 60c; 10 lbs., \$2.25.

THE AMEER

Very popular with truckers in certain sections of the South. The peas are smooth and therefore can be planted early without rotting. The season is early. 2 or 3 days later than Alaska, and the pods are almost twice as large.

Pkt., 10c; lb., 35c; 2 lbs., 65c; 10 lbs., \$2.50.

MARKET SURPRISE—A New Extra Early Pea

A new, smooth seeded, extra early, growing about 30 inches high and bearing its large pods, filled with peas of remarkably fine quality, in great abundance. It is a sturdy grower, with pods larger than Ameri, filled with wonderfully sweet, fine flavored peas.

Pkt., 10c; lb., 40c; 2 lbs., 75c; 10 lbs., \$3.00.

ALASKA—Called EARLIEST OF ALL

In season same as "Maud S." Alaska and "Maud S" are in all but color the same; Alaska seed is bluish in color; it is standard for market and canning. Vaughan's strain is true, always reliable and gives best results. Round seed peas do not rot in cold ground so easily as wrinkled peas do, hence earlier planting and harvesting are possible.

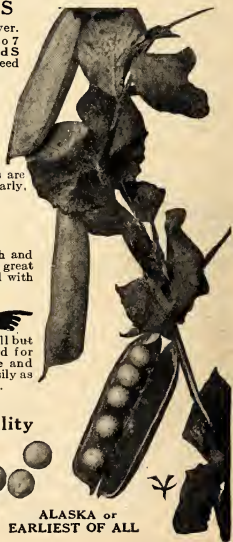
Pkt., 10c; lb., 25c; 2 lbs., 50c; 10 lbs., \$2.00.

SURPRISE—The Earliest Pea of Quality

In season two days later than Alaska. Being a wrinkled pea, it cannot be planted in soil so cold as smooth peas, like Alaska or Maud S, because not so hardy. Vines grow 24 inches high, require no brushing; the pods are of good size.

Pkt., 10c; lb., 40c; 2 lbs., 75c; 10 lbs., \$3.00.

Read inside back cover showing what we prepay.



ALASKA or
EARLIEST OF ALL

DWARF PEAS

Peas are very short crop this year and while we expect to have enough to go around, it is well to order early.

**PLANT
THE BEST**

CROP VARIETIES—BRUSH NOT NEEDED

VAUGHAN'S DWARF DEFIANCE

Pea growers cannot afford to overlook this splendid **main crop success**; it is without a superior, a **grand second early**. The vines are vigorous, the pods dark green and immense in size and fullness, like "Telephone." The handsome pods are filled with peas that are sweet and rich flavored.

Pkt., 10c; lb., 40c; 2 lbs., 75c; 10 lbs., \$3.00.

HEROINE

A **main crop semi-dwarf** that is extremely prolific; vines 30 inches high with luxuriant foliage. Long, pointed, slightly curved pods, filled with sweet, luscious, peas.

Pkt., 10c; lb., 35c; 2 lbs., 65c; 10 lbs., \$2.50; Larger quantities at 10-lb., rate.

McLEAN'S ADVANCER. Is a favorite with market growers and canners who consider it the best producer of mid-early sorts. McLean's Advancer is very productive, vines 30 inches high, pods full of fine peas of excellent quality.

Pkt., 10c; lb., 30c; 2 lbs., 60c; 10 lbs., \$2.25.

DWARF TELEPHONE OR DAISY.

A mid-season maturing sort of merit; vines are dwarf and bear large, bright green pods, each contains 7 to 9 peas of finest quality. This is a splendid variety, of which we offer a high-class re-selected stock.

Pkt., 10c; lb., 40c; 2 lbs., 80c; 10 lbs., \$3.25.

IMPROVED STRATAGEM. Long dark green pods, produced on vines 2 feet high, of strong vigorous growth; matures mid-season; pods are filled with peas of immense size, and delicious sweetness and flavor.

Pkt., 10c; lb., 40c; 2 lbs., 75c; 10 lbs., \$3.00.

HEROINE

HORSFORD'S MARKET GARDEN

Our strain of this sort is very popular with growers. It is later than "Advancer," grows taller, requires no brushing, and is a heavier producer. The pods are well filled with peas of fine quality.

Pkt., 10c; lb., 30c; 2 lbs., 60c; 10 lbs., \$2.25.

JUNO OR DWARF CHAMPION.

Main crop dwarf wrinkled pea, of hardy, vigorous and prolific growth. Long pods, each contain 7 to 9 peas of very best quality.

Pkt., 10c; lb., 35c; 2 lbs., 65c; 10 lbs., \$2.50.

VAUGHAN'S SWEET MARKET. An excellent main crop pea. Its season follows right after the Extra Early and continues to bear much longer than most varieties. Very prolific and of fine quality. 2½ feet, strong vigorous vines, many bearing 50 pods. Pods 3½ inches long, filled with 7 to 9 peas.

Pkt., 10c; lb., 35c; 2 lbs., 70c; 10 lbs., \$2.75.

DWARF DEFIANCE

TALL SORTS

BEAR BEST WHEN BRUSHED

GRADUS—VAUGHAN'S RE-SELECTED STOCK

Gradus is the **greatest of the wrinkled peas**; it is large and in flavor equal to the best wrinkled kinds. A table luxury and delight which retains its color and fine appearance after being cooked. It is the most popular of all the extra early wrinkled peas. It is tender and should be planted in the warmest spot in the garden; it matures fully two or three days later than the hard round extra early sorts. Vines 30 inches, pods 4 inches long, beautiful green color, with 10 or more rich, tender peas in each.

Pkt., 10c; lb., 40c; 2 lbs., 80c; 10 lbs., \$3.25.

NEW PEA, MARCHIONESS

A valuable addition to the tall early varieties. It may be briefly described as an Extra Early Gradus. The pods are of equal size to Gradus and the season several days earlier. Quality superlative. Plant this and be the first on the market with a good sized quality pea.

Pkt., 10c; lb., 40c; 2 lbs., 80c; 10 lbs., \$3.25.

THOMAS LAXTON

This is a selection of Gradus; the season is identical with Gradus, but the pods are square at the end and deeper green. Vines are 3 to 3½ feet high. The main qualities of Gradus are reproduced in this strain and it can be recommended with confidence for home garden. A better yielder than Gradus.

Pkt., 10c; lb., 40c; 2 lbs., 80c; 10 lbs., \$3.25.

VAUGHAN'S LATE GRADUS

This is a special Gradus Pea, bred to fill a special place and time. It comes in between the last of the Gradus and the first of the Telephone. It possesses all the attractiveness and fine qualities of the earlier Gradus with the productiveness of the later sorts. It is a most important introduction for market gardeners.

Pkt., 10c; lb., 40c; 2 lbs., 80c; 10 lbs., \$3.25.

THREE DWARF PEAS, RIPENING IN SUCCESSION

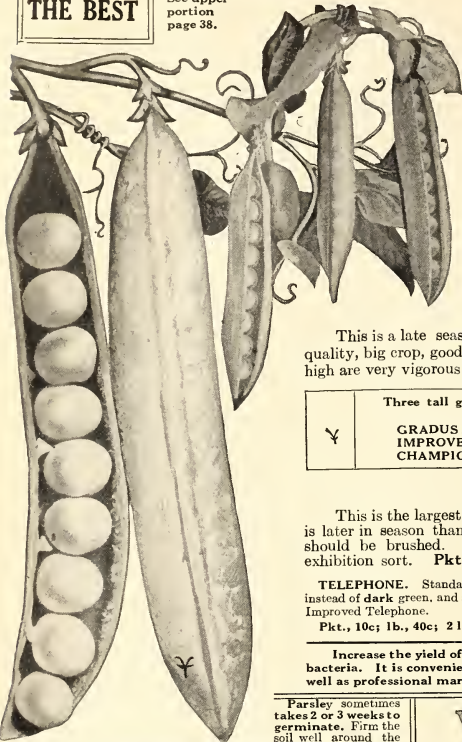
At the special prices given below (except No. 1) buyer pays express charges.

Little Marvel (First).	Dwarf Defiance (Second).	Heroine (Third).
No. 1. 1 pkt. of each 25c (prepaid)	No. 3. 2 lbs. of each (6 lbs.)	\$2.00
No. 2. 1 lb. of each (3 lbs.)	No. 4. 10 lbs. of each (30 lbs.)	\$5.50

Inoculate your seed peas with "Nitragin"—nitrogen-gathering bacteria. See page 57.

PLANT THE BEST

Plant the Dwarf Sorts in the home garden; they yield abundantly, require no support and can be planted more closely.
See upper portion page 38.



seed after sowing and keep the ground from drying out.

VAUGHAN'S

VAUGHAN'S IMPROVED TELEPHONE

Of the tall growing varieties of late peas, "Vaughan's Improved Telephone" is regarded by experienced and successful growers as the best sort for general purposes. In the home garden its value is attested by heavy yielding and excellent quality.

Uniformly large pods, 5 inches or more long, filled with 8 to 9 delicious peas. The fine, rich, dark green color of the pods gives them the highest market value. The crop maturing evenly makes only a few pickings necessary, and ensures the gardener a good profit.

Vaughan's Improved Telephone pea grows 4 feet high; it is a main crop variety, and a heavy yielder.

Pkt., 10c; lb., 40c; 2 lbs., 75c; 10 lbs., \$3.00.

CHAMPION OF ENGLAND

This is a late season tall pea, and as such has long been a recognized standard for best quality, big crop, good sized pods filled with peas of superb flavor. The vines grow about 5 feet high are very vigorous and productive. Pkt., 10c; lb., 35c; 2 lbs., 65c; 10 lbs., \$2.50.

Three tall growing sorts to be planted at the same time to mature successively.			Postpaid by Mail	By Express at Buyer's Expense	
Y	GRADUS.....	1 pkt., each.....	\$0.25		Y
	IMPROVED TELEPHONE.....	1 lb., each (3 lbs.)		\$1.00	
	CHAMPION OF ENGLAND.....	2 lbs., each (6 lbs.)		1.85	
		10 lbs., each (30 lbs.)		8.25	

"QUITE CONTENT"

This is the largest podded pea, the pods being 5-6 inches in length, quite exceptional for size. It is later in season than "Vaughan's Improved Telephone," the vines grow 5 to 6 feet high and should be brushed. They yield long pods filled with large peas of fine flavor. A splendid exhibition sort. Pkt., 10c; lb., 45c; 2 lbs., 90c; 10 lbs., \$3.75.

TELEPHONE. Standard stock, the pods are light instead of dark green, and are not quite as uniform as our Improved Telephone.

Pkt., 10c; lb., 40c; 2 lbs., 75c; 10 lbs., \$3.00.

BOSTON UNRIVALED. Of the light colored tall sorts, this is the highest type. A mid-season variety large podded and very uniform, peas of good quality.

Pkt., 10c; lb., 40c; 2 lbs., 75c; 10 lbs., \$3.00.

Increase the yield of your peas by inoculating the seed or soil with "Nitragin" — Nitrogen-gathering bacteria. It is conveniently put up in various sized tins to meet the requirements of home gardeners as well as professional market growers. See page 57.

VAUGHAN'S PARSLEY

VAUGHAN'S XXX PARSLEY

"The most beautiful Parsley that ever garnished a dish."

An enthusiastic chef gave voice to the above expression as he garnished some dishes of fine table delicacies with sprays of Vaughan's beautiful XXX Parsley. The daintily curled leaves of delicate green, appetizingly fresh and beautiful, add zest and richness to substantial or delicate viands. It is pretty in growth as well as beautiful as a garnish for table dishes. It grows very dwarf in the garden — many of our customers plant it as a border for which it is very pretty; it also is valuable in the hot-bed, greenhouse, or in pots in winter, taking small space. Vaughan's XXX Parsley was chosen after many trials and a careful inspection trip through Europe where the seed is grown. It is the best and handsomest colored parsley yet introduced. Pkt., 10c; oz., 15c; ¼ lb., 45c; lb., \$1.50.

VAUGHAN'S CHAMPION MOSS CURLED. In England this is a prize winning variety. Robust, compact plants are quickly produced, the leaves are so crumpled and curled as to have the appearance of curled moss, with rich, green color; it is quite hardy, slow to run to seed and may be grown in pots or window boxes. For garnishing dishes and for flavoring purposes it is entirely satisfactory.

Pkt., 10c; oz., 15c; ¼ lb., 30c; lb., \$1.00.

DOUBLE CURLED. A very fine dwarf, handsome green, curled variety.

Pkt., 5c; oz., 10c; ¼ lb., 30c; lb., 90c.

FERN LEAVED. Leaves so nicely and delicately cut as to resemble the fronds of a fern. Good green color and nice flavor.

Pkt., 10c; oz., 15c; ¼ lb., 30c; lb., \$1.00.

PLAIN or ITALIAN. The leaves are not curled. However, the flavor is excellent and plant is very hardy.

Pkt., 5c; oz., 10c; ¼ lb., 25c; lb., 90c.

HAMBURG ROOTED or GERMAN. The root resembles a small parsnip and is the edible part of this sort; used for flavoring soups.

Pkt., 10c; oz., 15c; ¼ lb., 40c; lb., \$1.25.

Vaughan's Vegetable

Cook Book

Here is a book that in these times of forced economy will prove its full worth to the industrious housewife. Contains over two hundred talks and recipes on how to serve, cook and preserve the products of your garden. It is a book that you will soon find you cannot do without, and the benefit you derive will amply compensate us for our time in collecting and putting together the contents. You are entitled to your own opinion on how to do things, but read also what the others, many of them experts, say. It only costs 35c, or you get it FREE with a \$1.50 order for Vegetable Seeds in packets or ounces if you ask for it.

VAUGHAN'S
XXX
PARSLEY

TALL GROWING PEAS

**PLANT
THE BEST**

PRINCE EDWARD

Very large pods. This is an English strain of the "Telephone," selected and bred especially for size of pods. The peas are large and good flavor. Splendid showy variety.

Pkt., 10c; lb., 40c; 2 lbs., 75c; 10 lbs., \$3.00.

ALDERMAN

This mid-season pea is tall growing, of English origin, and a few days later than Vaughan's "Improved Telephone." The pods are very large, straight, and dark green color. The vines are exceedingly vigorous and immensely prolific; of the best quality.

Pkt., 10c; lb., 40c; 2 lbs., 75c; 10 lbs., \$3.00.

EVERBEARING

For late summer and autumn; very prolific variety. Pods, about 3 inches long, with large peas of good quality.

Pkt., 10c; lb., 30c; 2 lbs., 60c; 10 lbs., \$2.25.

YORKSHIRE HERO

An old standard variety; vines medium tall; produces a fine crop of broad, well filled pods. Peas are wrinkled, sweet, large and remain a long time in good condition.

Pkt., 10c; lb., 30c; 2 lbs., 60c; 10 lbs., \$2.25.

LONG ISLAND MAMMOTH.

Known also as Telegraph. Later and harder than Telephone, with smooth seeds. The pods are not so large nor the peas of as good quality as Telephone.

Pkt., 10c; lb., 40c; 2 lbs., 75c; 10 lbs., \$3.00.

BLACK EYE MARROWFAT (Late).

A great yielder of ordinary quality peas.

Pkt., 10c; lb., 25c; 2 lbs., 45c; 10 lbs., \$1.80.

WHITE MARROWFAT.

Similar to Black Eye. Popular heavy yielder.

Pkt., 10c; lb., 25c; 2 lbs., 45c; 10 lbs., \$1.80.

EDIBLE POD PEAS (Cooked like String Beans)

DWARF GRAY SUGAR. Vines 16 inches.

Pkt., 10c; lb., 40c; 2 lbs., 80c; 10 lbs., \$3.25.

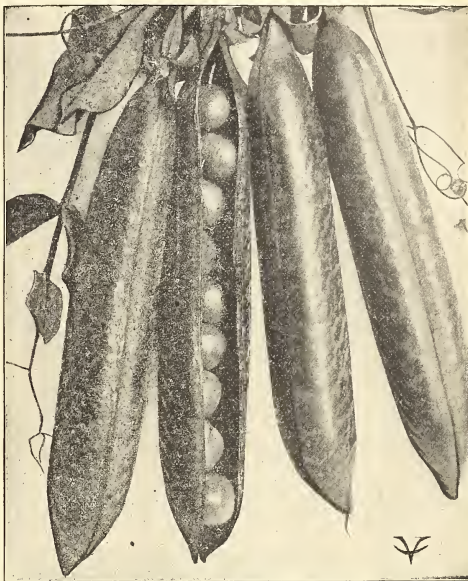
LUSCIOUS SUGAR.

Tall growing strain of above. Pkt., 10c; lb., 45c; 2 lbs., 90c; 10 lbs., \$3.75.

MAMMOTH PODDED SUGAR.

A late, large sugar pod pea of finest quality. Vines 4 to 5 feet high. Pods 5 to 6 inches long. Pkt., 10c; 1 lb., 45c; 2 lbs., 90c; 10 lbs., \$3.75.

Next to Sweet Corn, Fresh Peas are the most delicious of all garden products



"PRINCE EDWARD," ONE OF THE LARGEST PODDED PEAS.

VAUGHAN'S PARSNIPS

VAUGHAN'S MARROWFAT PARSNIPS

The accompanying illustration tells the story of uniform good size, fine shape, clean, smooth skin, and general handsome appearance, which distinguishes this high class variety. In richness of flavor it is unequalled. For exhibition purposes it is a winner.

Pkt., 10c; oz., 15c; ¼ lb., 40c; lb., \$1.25.

MAGNUM BONUM. A greatly improved strain of "Hollow Crown" Parsnip. As a money-maker for market men we recommend it. It is a heavy cropper, the roots are smooth but not so long, though somewhat thicker than the original, which makes them easier to harvest. Pkt., 10c; oz., 15c; ¼ lb., 30c; lb., \$1.00.

HOLLOW CROWN, LONG SMOOTH. (Abbott's Improved). Smooth, large, tender and sugary; one of the best. Our strain is a good selection. Pkt., 10c; oz., 15c; ¼ lb., 30c; lb., \$1.00.

IMPROVED GUERNSEY. An improvement over the parent, "Hollow Crown," than which it is much larger in diameter, but not so long. The roots are more easily gathered. This sort gives general satisfaction. Of excellent sugary flavor.

Pkt., 10c; oz., 15c; ¼ lb., 30c; lb., \$1.00.

VAUGHAN'S NEW INTERMEDIATE. This new sort does not require soil so deep for its cultivation as the older sorts. It is quite equal in quality to the older varieties although the roots are only one-half to two-thirds as long under ordinary conditions. On heavy or clay soil Intermediate is especially good. Roots smooth and handsome and easily harvested.

Pkt., 10c; oz., 15c; ¼ lb., 40c; lb., \$1.25.

Parsnips are a valuable stock food as well as a table dish. They are often used for flavoring soups and broths without being eaten.

Parsnip seed usually comes unevenly. Should be sown as early as possible in spring. Cover one-half inch deep and roll. 1 oz. of seed will sow 100 foot row.



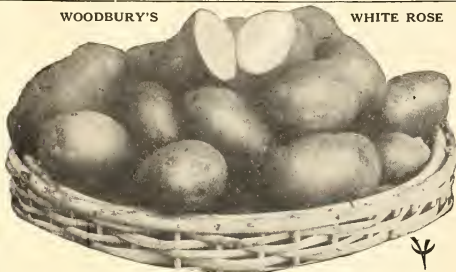
VAUGHAN'S MARROWFAT—Handsome and Best

PLANT THE BEST

Prices quoted here represent values in early January. Latest market prices for quantities on request. On quality basis we can always meet the market. These prices subject to change owing to price variations for eating potatoes.

WOODBURY'S

WHITE ROSE



WOODBURY'S WHITE ROSE

A splendid early white potato which Vaughan's Seed Store introduced some years ago. It is fast becoming a standard variety. In that famous potato district of Northern Michigan around Marinette and Manistique, this variety is the most popular of all the early sorts. Woodbury's White Rose is a seedling from the "Early Rose." It is of pure white skin and is kidney shaped. The vines are vigorous and resist early blight. In yield they produce double the crop of Early Ohio—about one week or ten days later in season. $\frac{1}{2}$ pk., 70c; pk., \$1.10; $\frac{1}{2}$ bu., \$1.80; bu., \$3.25; 100 lbs., \$5.25; sack ($2\frac{3}{4}$ bu.) \$7.75.

EARLY BOVEE

A pink-skinned white fleshed early of the very best quality and an excellent producer. Thrives in rich soil. $\frac{1}{2}$ pk., 65c; pk., \$1.00; $\frac{1}{2}$ bu., \$1.65; bu., \$3.00; 100 lbs., \$4.80; sack ($2\frac{3}{4}$ bu.) \$7.00.

EARLY ROSE

An old standard rather long pink skinned early potato. Northern grown prolific and hardy seed. $\frac{1}{2}$ pk., 65c; pk., \$1.00; $\frac{1}{2}$ bu., \$1.65; bu., \$3.00; 100 lbs., \$4.80; sack ($2\frac{3}{4}$ bu.) \$7.00.

VAUGHAN'S

EARLY AND MAIN CROP SORTS

For more than twenty years we have had our Early Seed Potatoes produced in the Red River Valley of the North in Minnesota and Dakota. Today Vaughan's Red River Valley grown true to type Early Seed Potatoes are the standard of quality throughout the country. We have found these are earlier, more vigorous and better yielders than any grown elsewhere.

We call attention to our second early varieties closely following in their ripening the Early Ohio—but yielding much more heavily—Irish Cobbler.

VAUGHAN'S IMPROVED EARLY OHIO (RED)

Is a week to 10 days earlier than other strains of the same variety. The reason for this is not only in the great care with which our seed is selected, grown and housed, but it is produced under conditions which are the most favorable in the Red River Valley of Minn., the natural home of high-class potato seed. This standard variety is well known to growers, who find it superior to other strains. In the middle west Vaughan's seed produces earlier and better yields than native seed, no matter how carefully selected.

$\frac{1}{2}$ pk., 65c; pk., \$1.00; $\frac{1}{2}$ bu., \$1.65; bu., \$3.00; 100 lbs., \$4.80; sack ($2\frac{3}{4}$ bu.) \$7.00.

Improved
Northern
Grown
Early Ohio



Red
Type



VAUGHAN'S IMPROVED EARLY OHIO

VAUGHAN'S MAIN CROP VARIETIES

NEBRASKA. Rural Type. The Best.

This is a potato with an excellent record; from experienced growers and experiment stations we have had the most flattering reports. It is the **heaviest cropping main crop flat white potato**. Particularly adapted to the prairie soils of the Middle West. Three hundred bushels per acre yields are not uncommon under favorable conditions. In Michigan, Northern and Central Colorado, Illinois, Nebraska, for a series of years the

Nebraska has out-yielded all standard kinds. The vines are very broad and produce an immense growth of luxuriant foliage. The tubers are flat, somewhat flatter than Carman or Rural Type; size larger and quality superb. For market or home garden it is ideal.

$\frac{1}{2}$ pk., 65c; pk., \$1.00; $\frac{1}{2}$ bu., \$1.65; bu., \$3.00; 100 lbs., \$4.80; sack ($2\frac{3}{4}$ bu.) \$7.00.

OTHER RURAL TYPES

CARMAN NO. 3. One of the most popular of the Carman group of potatoes. A white, flat variety, which sets its tubers very close to the top of the soil, thus giving good yields in clay soil where other varieties fail. Carman No. 3 grows to the largest size of these sorts.

$\frac{1}{2}$ pk., 65c; pk., \$1.00; $\frac{1}{2}$ bu., \$1.65; bu., \$3.00; 100 lbs., \$4.80; sack ($2\frac{3}{4}$ bu.) \$7.00.

RURAL NEW YORKER NO. 2. Very large, usually smooth, oblong inclining to round, and rather flattened. Skin and flesh white; quality excellent, season intermediate. Tubers of great uniformity in size, almost every one marketable. Known everywhere as "Dusty" Rural.

$\frac{1}{2}$ pk., 65c; pk., \$1.00; $\frac{1}{2}$ bu., \$1.65; bu., \$3.00; 100 lbs., \$4.80; sack ($2\frac{3}{4}$ bu.) \$7.00.

SIR WALTER RALEIGH. An All late potato. This is an improved Rural New Yorker No. 2. Yields almost all marketable sized potatoes, which are a little earlier and of better quality than Rural. Exceedingly fine grained and white-fleshed.

$\frac{1}{2}$ pk., 65c; pk., \$1.00; $\frac{1}{2}$ bu., \$1.65; bu., \$3.00; 100 lbs., \$4.80; sack ($2\frac{3}{4}$ bu.) \$7.00.

GREEN MOUNTAIN. After careful trials we list this as the most desirable of the cylindrical late potatoes. It is especially suited for loose soils or muck land. As the tubers set rather deep it is not so good on heavy or clay lands as the crop is liable to run undersized. On loam the tubers run uniformly large. Green Mountain is a hard potato to heat for eating quality; it cooks dry and mealy with a particularly fine flavor; some growers claim "Bug Proof." It is an immense yielder. $\frac{1}{2}$ pk., 65c; pk., \$1.00; $\frac{1}{2}$ bu., \$1.65; bu., \$3.00; 100 lbs., \$4.80; sack ($2\frac{3}{4}$ bu.) \$7.00.



NEBRASKA.

Please name second choice in case the variety ordered be sold out, or, say if we may substitute other similar sort.

POTATOES

CLEAN SEED POTATOES. Our potatoes are grown especially for us by famous growers who spray, select and treat their seed keeping it true to type and free from disease. The stock we send out in the spring will be twice hand sorted.

**PLANT
THE BEST**

GROWN IN THE FAR NORTH

Dearborn and Woodbury's White Rose,—maturing within a few days of each other in the order named. The Prices in this catalogue represent values at the time this book went to press and are subject to market changes. Write for latest market quotations. We are large carload handlers of potatoes and are always in line with the prevailing market. On a quality basis we can always meet competition. Get our figures on large lots before ordering elsewhere.

IRISH COBBLER—Early Heavy Cropper

Is a grand early potato of medium large size, and in light soil, does its best for earliness, maturing almost as soon as the smaller cropping Earlies. The demand for more early potatoes makes a virtue of the necessity to plant early varieties that yield bigger crops rather than the Earlies which yield small crops. Irish Cobbler is always a very popular seller. Its size, shape, good quality and elegant appearance commend it and it usually secures a better price, side by side with standard Earlies. Our seed is grown in Red River Valley, Minn., and is superior to other strains grown elsewhere.

$\frac{1}{2}$ pk. 65c; pk. \$1.00; $\frac{1}{2}$ bu. \$1.65; bu. \$3.00; 100 lbs. \$4.80; sack (2 $\frac{3}{4}$ bu.) \$7.00.

ACME. A potato of the Ohio type, in fact, similar to that variety as it is now grown in the Northwest. Usually runs earlier than the old type of Early Ohio and is more prolific. Splendid for both market and amateur gardens.

$\frac{1}{2}$ pk., 65c; pk., \$1.00; $\frac{1}{2}$ bu., \$1.65; bu., \$3.00; 100 lbs., \$4.80; sack (2 $\frac{3}{4}$ bu.) \$7.00.

VAUGHAN'S DEARBORN. The heaviest yielding second early. A round potato something like Irish Cobbler, but flatter. In season less than a week later than Cobbler and a twenty-five per cent better yielder. Fine wherever Cobblers do well.

$\frac{1}{2}$ pk., 70c; pk., \$1.10; $\frac{1}{2}$ bu., \$1.80; bu., \$3.25; 100 lbs., \$5.25; sack (2 $\frac{3}{4}$ bu.) \$7.75.

Let me say a few words in praise for your Winter Watermelon. I have raised melons for 20 years and, raised this particular melon 6 years and for home use it has all the rest left way back in the shade that I have tried, because it has the good qualities of all the rest, few and small seeds, ripens to the rind and best of all, it kept off the ground in cool place, will keep long in the winter. I eat my last melon on January 1st, 1920, and it was delicious.

Every farmer should have a patch of Winter Melons and have melons from August to January as far north as the medium early variety ripens. These melons are raised around Mitchell, South Dakota, by the wagon loads. Yours for success,

FRANK M. KEIN, Mitchell, So. Dak., R. No. 2.

HEAVY

YIELDER

A
Second
Early.

It
Makes
Friends.

DEARBORN

RUSSET RURAL OR PETOSKEY

A superb variety of recent introduction and considered ahead of any other late potato. Remarkable on account of its freedom from disease. This variety has been carefully tested side by side with other late sorts and the results of the trials has served to strengthen our high opinion of its merits. Russet Rural is an excellent yielder. It possesses an attractive russet skin and the tubers, which are white, are very regular in size and unsurpassed for cooking qualities. There is practically no waste in peeling as the eyes are almost on the surface. The tubers are uniform in size and each plant yields above the average of marketable potatoes.

$\frac{1}{2}$ pk., 70c; pk., \$1.10; $\frac{1}{2}$ bu., \$1.80; bu., \$3.25; 100 lbs., \$5.25; sack (2 $\frac{3}{4}$ bu.) \$7.75.

OUR FREE DELIVERY.

See inside back cover page explaining free delivery to first three postal zones. For 5 cents per pound more we prepay to all zones.

Irish

Splendid Early

Cobbler

Great Yielder



BLISS or RED TRIUMPH. For more than a decade this has been the standard early potato in the South. It is a round, reddish skinned potato, rather deep eyes and of medium size. As they appear early in the spring on the Northern market they are very attractive and, of course command a large premium over old stock.

$\frac{1}{2}$ pk., 70c; pk., \$1.10; $\frac{1}{2}$ bu., \$1.85; bu., \$3.25; 100 lbs., \$5.25; sack (2 $\frac{3}{4}$ bu.) \$7.75.

SWEET POTATOES

GROWN ESPECIALLY FOR SEED. We can offer Yellow Jersey (the most popular Northern sort), Red Jersey, Red Bermuda, Early Carolina and Nansemond.

N. B.—Owing to perishable nature of these tubers we ship BY EXPRESS ONLY.	Yellows.....	10 lbs. 50 lbs. 100 lbs.
	Reds.....	\$1.10 \$4.00 \$7.75
		1.25 4.50 8.75

INSECTICIDES AND SPRAYERS

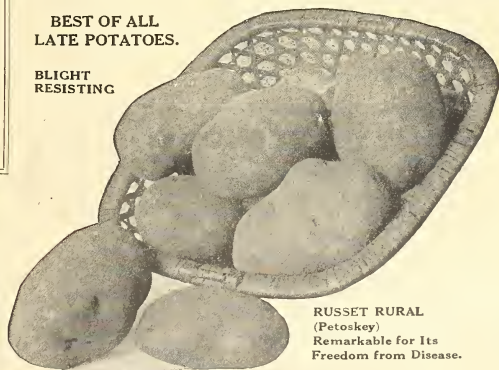
Potato growers should insure their crops with the very best sprayers and insecticides. We carry a complete line of Iron Age horse sprayers and a great variety of hand and barrel sprayers as well as the highest quality Paris Green, Arsenate of Lead, Slug Shot, Bordeaux and other insecticides and fungicides. Lowest "quantity" prices. Write for Special Iron Age Catalog, and consult page 125 of this catalog for sprayers and page 126 for insecticides and fungicides.

TIMELY SUGGESTIONS TO THE AMATEUR GARDENER

Many garden beginners in their war gardens had very little success with potatoes. Potatoes require a mellow, rich, easily worked soil. On poor heavy soils results are not favorable. For real success, spraying is necessary. Bordeaux for blight, Paris Green or Arsenate of Lead for bugs and Black Leaf 40 for leaf hoppers and aphids. Bordeaux-Lead or Pyrox—both combinations of Bordeaux Mixture and Arsenate of Lead—are very valuable because they combine a fungicide to control blight, and an insecticide to kill chewing insects. **Two Sprays in One.** (See pages offering insecticides and sprayers). Potatoes freshly dug from the garden are a luxury. They are worth the effort. Early Ohio for early and Nebraska for late are the most generally successful with the amateur. Plant Early Ohio about the last of April or first of May. The Nebraskas are usually planted after the first of June, but around Chicago better success has been had planting in May.

BEST OF ALL
LATE POTATOES.

BLIGHT
RESISTING



RUSSET RURAL
(Petoskey)
Remarkable for Its
Freedom from Disease.

PLANT THE BEST

Vaughan's 20-Day Radish is ahead of all others that we have ever planted in speed, stand, flavor and size.
WALLACE R. LOWRIE,
Duluth, Minn.

EARLY SORTS

(F)—Forcing Sorts

VAUGHAN'S



Vaughan's sale of Radish Seed to the many under-glass gardeners—growers of lettuce and radish—runs into thousands of pounds annually. Many of them buy our seed months in advance and keep these special strains always on hand.

VAUGHAN'S SELECT SCARLET GLOBE

VAUGHAN'S CARDINAL FORCING (F)

Is a splendid marketing radish; of the Globe shaped sort it is the handsomest; it is larger and more evenly shaped, and has also a richer red colored skin than Scarlet Globe and is ready 3 days earlier. Quality, for eating, firmness and flavor are excellent—for early sowing in the home garden it is a winner. Pkt., 10c; oz., 15c; $\frac{1}{4}$ lb., 45c; lb., \$1.50.

CRIMSON GIANT (F)

For forcing or outdoor planting. Although twice the size of other forcing sorts this does not get pithy or hollow; the skin is crimson, flesh is white, tender, crisp and sweet flavored. Sow seed thinly to permit root growth. Pkt., 10c; oz., 15c; $\frac{1}{4}$ lb., 45c; lb., \$1.25.

GIANT BUTTER (F)

This is by far the largest of the early turnip, forcing radishes, exceeding in size even the Crimson Giant. By careful selection, Giant Butter has been bred true to type so that there is almost no deviation from its fine round shape. In color it is vivid scarlet. A most desirable greenhouse or hot bed variety for forcing—the tops are extremely short and the tap root is small. Pkt., 10c; oz., 20c; $\frac{1}{4}$ lb., 50c; lb., \$1.65.

EARLY SCARLET GLOBE WHITE TIP. Best and quickest of the white tips; fine quality. Pkt., 10c; oz., 15c; $\frac{1}{4}$ lb., 30c; lb., 90c.

VAUGHAN'S ALL SEASONS. May be sown from spring to autumn and used at all stages of growth; a round scarlet radish. Pkt., 10c; oz., 15c; $\frac{1}{4}$ lb., 45c; lb., \$1.25.

BRIGHTEST LONG SCARLET (See Below.)

This is a home garden favorite; it combines beauty and fine quality; the body is brightest scarlet color, which blends downward to a long tip of pure white. Usually ready for the table in 25 days from planting. Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 25c; lb., 75c.



EARLY LONG SCARLET SHORT TOP

A long, straight, smooth, red radish; it grows partly above ground; it develops long roots, tender, crisp and sweet. Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 25c; lb., 85c.

WOOD'S EARLY FRAME. (F) An early forcing variety of long scarlet; has short top, especially selected for growing under glass. Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 25c; lb., 85c.

HALF LONG DEEP SCARLET. (F) This is good for forcing, it is brittle and mild. It is much grown in the South for early shipment. Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 25c; lb., 75c.

ENCOURAGE GOOD HEALTH BY THE FREE USE OF VEGETABLES

Asparagus assists in the cure of kidney trouble.

Beets and Potatoes are fat producing.

Carrots aid digestion.

Lettuce is a remedy for insomnia.

Lettuce, Onions and Celery are good nerve tonics.

Parsley and Endive are good for dyspepsia.

Parsnips are a good spring medicine.

A liberal use of the above will save doctors' bills.

Spinach is excellent for the kidneys.

Tomatoes will stimulate the liver.

Water Cress is a good bracer.

The Radish Seed shortage of past seasons has been entirely overcome. We now have a good supply of best strains of French types, raised by careful American growers. We are satisfying our customers who have been forcing these under glass for many years. In these cases we

EARLY SCARLET GLOBE FORCING (F)

Vaughan's GLASSHOUSE Strain

For hot bed and greenhouse forcing, and out-door planting. Very early, crisp, mild and tender, very attractive and one of the best sellers. This Radish is rich bright scarlet in color, of uniform globe shape and stands heat better than any other sort without becoming pithy. It is ready for the table in 25 days.

Vaughan's Scarlet Globe Radish should be planted in every greenhouse and garden for market as well as home use. For the home, plant every 10 days until into June; again end of August.

Vaughan's Select Stok—Pkt., 10c; oz., 15c; $\frac{1}{4}$ lb., 45c; lb., \$1.50.
Standard Stok—Pkt., 10c; oz., 15c; $\frac{1}{4}$ lb., 30c; lb., 90c; 5 lbs., \$5.00.



IMPROVED BREAKFAST

(See page 45)

Don't Sow
Winter Sorts
Until
Late June

LONG AND

VAUGHAN'S MARKET. (Half Long White). The best early half-long white radish, tender, brittle, delicate flavor, resembles Strassburg in size, grows more quickly, delicate and fine.

Pkt., 10c; oz., 15c; $\frac{1}{4}$ lb., 30c; lb., 90c.

CINCINNATI MARKET. A long red radish, white tip, short top. If your market uses a long sort try this one. Pkt., 10c; oz., 15c; $\frac{1}{4}$ lb., 30c; lb., 90c.

SUMMER RADISHES

Grow larger than early radishes and remain in good condition longer. All of the following: Pkt., 10c; oz., 15c; $\frac{1}{4}$ lb., 30c; lb., 90c.

IMPROVED CHARTER. Somewhat resembling brightest scarlet. It is double the size and later; long scarlet tipped with white.

LONG WHITE VIENNA. Snow white, very brittle and crisp.

WHITE STRASSBURG. Larger size and thicker than Vienna. Very solid.

WHITE STUTTGART. A turnip shaped, large white radish.

WINTER RADISHES

Do not sow these until the latter part of June.

THE MUNICH. Grows from 6 to 8 inches in length; broad at the shoulder, white thin skin; mild and delicious. Very short crop. Pkt., 10c; oz., 30c. Each of the following: Pkt., 10c; oz., 15c; $\frac{1}{4}$ lb., 30c; lb., 90c.

CALIFORNIA MAMMOTH WINTER. Long, very large size.

ROSE OR SCARLET CHINA. Rose, medium size, fine keeper.

CHINESE MAMMOTH OR CELESTIAL. Immense size, flesh always crisp and mild.

BLACK SPANISH, LONG. Black skin and white flesh.

BLACK SPANISH, ROUND. Like long black, only round.

HALF LONG BLACK WINTER. Fine sort.

LONG WHITE SPANISH. Like Long Black, except color.

RADISHES

NOVARIETIES
(F)—Forcing Sorts

Radishes must be grown quickly without check and will consequently require rich, mellow soil. Enrich your ground with Vaughan's 5-8-1 Truck and Farm Manure. See page 135.

PLANT THE BEST

specify American-grown varieties. In the home garden plant Vaughan's Early Scarlet Globe, Cardinal Forcing, Giant Butter or Crimson Giant for first planting; Icicle, Scarlet Turnip White Tip (Sparkler Strain) or Long Scarlet for main crop. Late sorts July 1.

SCARLET TURNIP WHITE TIP

VAUGHAN'S SELECTED STOCK

The exceptional merit of this radish is proved by its popularity, increasing every year with successful market-gardeners, whose orders for Vaughan's Seed run into many thousands of pounds.

This radish is a table dainty, crisp, tender and sweet; it is turnip shaped, bright scarlet color, with white tip and is a high class strain for out-door planting. It combines beautiful appearance with finest radish-quality—appealing to the eye and palate.

Vaughan's "Sparkler" Strain for open ground.

Pkt., 10c; oz., 15c; ¼ lb., 45c; lb., \$1.25; 5 lbs., \$5.50.

American Grown. Pkt., 5c; oz., 10c; ¼ lb., 25c; lb., 75c; 5 lbs., \$3.50.

VAUGHAN'S 20-DAY

Extra Early (F) Olive-Shaped.

The quickest Red Olive shaped radish, matures 20 days after sowing; has attractive, bright scarlet skin, white, sweet, crisp and tender flesh. Leaves being short permits close planting. Fine for outdoor planting or forcing.

Pkt., 10c; oz., 15c; ¼ lb., 45c; lb., \$1.40.

EARLIEST WHITE OLIVE (F)

Earliest of all radishes—matures in 15 to 18 days after sowing.

This sort is pure white, oblong shape with small tops—can be planted close; a very tender radish.

Pkt., 10c; oz., 15c; ¼ lb., 45c; lb., \$1.40.



VAUGHAN'S 20-DAY

VAUGHAN'S "SPARKLER" STRAIN



SCARLET TURNIP, WHITE TIP

IMPROVED BREAKFAST (F)

An excellent early olive shaped radish about 2-inches long, with slender tap root, deep red skin, white tip. Flesh is solid, sweet, crisp and tender, fine for the home garden. Pkt., 10c; oz., 15c; ¼ lb., 45c; lb., \$1.25.

OLIVE SHAPED DEEP SCARLET. Similar to Vaughan's 20 day.

Pkt., 10c; oz., 15c; ¼ lb., 30c; lb., 90c.

OVAL YELLOW MAY. A new sort, fine quality. Pkt., 5c; oz., 15c; ¼ lb., 45c.

NON PLUS ULTRA. (F). Scarlet turnip shaped.

Pkt., 10c; oz., 15c; ¼ lb., 45c; lb., \$1.25.

OTHER GOOD RADISH KINDS

Price, any of the following:

Pkt., 10c; oz., 15c; ¼ lb., 30c; lb., 90c.

FRENCH BREAKFAST. Quick and handsome.

MIXTURE. Turnip and olive shaped varieties.

EARLY DEEP SCARLET TURNIP. An old standby

YELLOW TURNIP. A summer variety.

GOLDEN YELLOW SUMMER TURNIP. Smooth.

Vaughan's "Sparkler" Strain of White Tip Radish has no superior. It has been carefully selected to meet the requirements of critical eastern gardeners who plant it extensively and buy their seed from us.

OTHER SORTS

See other kinds every 10 days to end of May for succession.



CICLE RADISH

ICICLE—The Finest White Radish

An ideal white radish—long slender root which remains crisp and mild until grown large. It matures early with short top, which permits close planting and forcing. Many of our customers say it is the finest radish they have ever grown. Plant every 10 days for succession.

Pkt., 10c; oz., 15c; ¼ lb., 30c; lb., 90c.

SAKURAJIMA

A Japanese radish of immense size. In shape it is oval with cream colored skin and pure white flesh. The roots are cooked like turnips, but have no strong taste. Sow in May.

Pkt., 10c; oz., 25c; ¼ lb., 75c; lb., \$2.50.

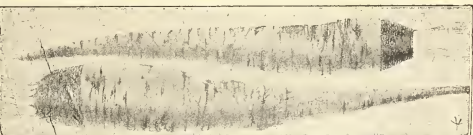
SALSIFY, OR OYSTER PLANT

Though not as generally grown as it should be, this is, when cooked, a really delicious vegetable, surpassing in richness of flavor both carrots and parsnips. It acquires a delectable oyster flavor after a good frosting. Roots for winter use should be lifted in the fall while those for early spring use may be left in the ground, but lifted before they start to grow. Salsify is boiled like parsnips or carrots, or after half boiling can be grated and made into flattened balls and fried like oysters.

MAMMOTH SANDWICH ISLAND. This variety is much more uniform in growth than the old standard "Long White" Variety; it is twice the size and weight; the roots are of superior quality and most delicate flavor.

Pkt., 10c; oz., 20c; ¼ lb., 60c; lb., \$2.00.

LONG WHITE SALSIFY. Pkt., 10c; oz., 20c; ¼ lb., 60c; lb., \$2.00.



SALSIFY, MAMMOTH SANDWICH ISLAND SCORZONERA, OR BLACK SALSIFY

Considered by many better than white salsify. Somewhat harder to raise, although cultivated in the same way. Pkt., 10c; oz., 30c; ¼ lb., 90c.

IMPROVED LONG BLACK (BLACK SALSIFY). This variety is earlier than Scorzonera, it may be planted in the late spring without running to seed; a longer season thus permitting a considerably larger growth of root.

Pkt., 10c; oz., 30c.

RAMPION—A New Salad

Both the roots and leaves make a delicious salad. Pkt., 10c; ½ oz., 15c; oz., 30c; 2 oz., 55c.

Rhubarb, Sea Kale, Endive and Egg Plant. See page 23.

**PLANT
THE BEST**



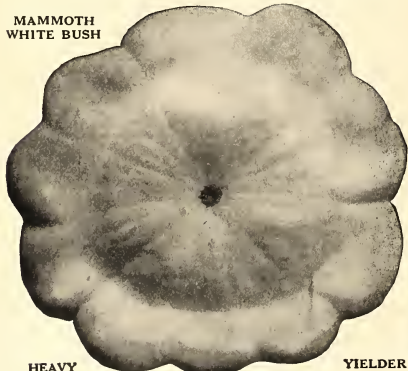
**VAUGHAN'S TRIUMPH
SPINACH**

VICTORIA SPINACH

Remains in prime condition two to three weeks after other varieties, excepting "Vaughan's Triumph," have run to seed. It is of true Savoy type, dense foliage, broad, dark green leaves of best quality; a great heat resister.

Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 20c; lb., 50c.

**MAMMOTH
WHITE BUSH**



HEAVY

YIELDER

BUSH FORDHOOK SQUASH

A new bush type of the original Fordhook, unequalled in quality and delicious sweetness by any variety, whether for summer or winter use. If stored before frost in a warm dry place, it will furnish winter squash for table use until the new crop is ready.

Pkt., 10c; oz., 20c; $\frac{1}{4}$ lb., 60c; lb., \$2.00.

FORDHOOK—Early

Ripens early and is one of the best keepers. Can be kept through the winter until June. Is very prolific, and nearly bug and borer proof.

Pkt., 10c; oz., 20c; $\frac{1}{4}$ lb., 50c; lb., \$1.75.

YELLOW SUMMER CROOKNECK

The old standard variety, very prolific, but smaller than "Giant Summer," a fine squash. Pkt., 10c; oz., 20c; $\frac{1}{4}$ lb., 50c; lb., \$1.60.

VAUGHAN'S STRAIGHTNECK

A Straightneck selection from the Summer Crookneck. Desirable or shipping. Pkt., 10c; oz., 20c; $\frac{1}{4}$ lb., 50c; lb., \$1.75.

VEGETABLE MARROW

This is a most important vegetable in the English market, but little known in this country. The fruit is generally eaten when less than half grown, as the flesh is then very tender and marrowy. Our packages contain cultural directions and recipes for cooking.

Pkt., 10c; oz., 20c; $\frac{1}{4}$ lb., 50c; lb., \$1.75.

Spinach has come more and more into general use; even Canned Spinach enjoys big demand and sale.

VAUGHAN'S

VAUGHAN'S TRIUMPH SPINACH

Withstands hot weather longer than other sorts; it thereby increases the length of the season a month. It does not wilt or run to seed so quickly as other sorts. Its habit of growth is prostrate, rather than upright; the leaves are thick warty, and fine and tender when cooked.

Pkt., 10c; oz., 15c; $\frac{1}{4}$ lb., 25c; lb., 60c.

VAUGHAN'S GIANT FILLBASKET

The very largest Early Spinach, the result of careful re-selection. In Europe it holds first place in public favor. Our customers here have had great success with it and are planting it more extensively each year. Its broad, thick, dark green leaves are very crisp and tender and of delicately delicious flavor. Pkt., 10c; oz., 15c; $\frac{1}{4}$ lb., 25c; lb., 60c.

BLOOMSDALE OR NORFOLK SAVOY-LEAVED. Is a very hardy sort; the leaves are very thick and blistered, making it a fine shipper; it is a good standard size, and a great favorite with Southern truckers.

EXTRA LARGE ROUND LEAF. Large crumpled leaves. This is one of the best for early use, and if sown again in August is hardly enough for late autumn use.

PRICKLY-SEEDED. Very hardy; sown in fall for late use.

BLOOMSDALE. Identical with Vaughan's Norfolk Savoy.

LONG STANDING. Of compact growth with thick deep-green leaves. Slow to seed.

MONSTROUS-LEAVED VIROFLAY. Quick, strong growth. N. Y. favorite.

Price of the above. Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 20c; lb., 50c.

NEW ZEALAND SPINACH (Tetragonia Expansa)

While this is not a member of the Spinach family proper, it may well be classed as such, since it furnishes an abundance of delightful "greens" throughout the summer and right up to cold weather. Both the leaves and the stalks of the plant are very fleshy and extremely brittle and of the finest quality when cooked.

Do not sow seed until May 1st or when the soil is fairly warm, as it is susceptible to cold and will not germinate in cold soil. Plant in rows 3 ft. apart and thin the plants to stand 2 feet apart in the rows. Soak the seed before sowing.

Pkt., 10c; oz., 15c; $\frac{1}{4}$ lb., 40c; lb., \$1.25.

American Red Cross, U. S. A. General Hospital No. 41.

Fox Hills, Staten Island, N. Y., April 5, 1920.

Gentlemen—Your favor of March 29th stating that a package of seeds had been sent us by parcel post was duly received.

I thank you on the part of all the wounded soldiers in this hospital for your generous donation, which will help make this place a pleasant one for them during the summer. Very truly yours, JOHN WARD DUNSMORE, Field Director.

SUMMER SQUASH

VAUGHAN'S GIANT SUMMER CROOKNECK

Our strain of this popular squash produces fruit nearly double the size of the old standard "Crookneck." The plants are healthy, bushy and compact; they produce in quantity fruit that is heavily warted and true to type. The flesh is a rich golden yellow, the quality and flavor of which is the very best.

Pkt., 10c; oz., 20c; $\frac{1}{4}$ lb., 50c; lb., \$1.60.

MAMMOTH WHITE BUSH

Is an improved selection of the old "Early White Bush," the highly favored early summer squash. The newer sort is much larger and deeper, has fewer scallops, which saves waste, and is a heavier producer. Our strain is very select.

Pkt., 10c; oz., 20c; $\frac{1}{4}$ lb., 50c; lb., \$1.60.

EARLY WHITE BUSH. Very early. Pkt., 10c; oz., 20c; $\frac{1}{4}$ lb., 50c; lb., \$1.60.

EARLY YELLOW BUSH. A true bush, though of an earlier and smaller strain than the above. Pkt., 10c; oz., 15c; $\frac{1}{4}$ lb., 45c; lb., \$1.50.

MAMMOTH YELLOW BUSH. Like Mammoth White Bush. The fruit runs a little larger and has a fine pale-yellow skin, creamy white flesh.

Pkt., 10c; oz., 20c; $\frac{1}{4}$ lb., 50c; lb., \$1.60.

GIANT WHITE SUMMER CROOKNECK. A large selection of the old "Summer Crookneck"; the skin is ivory white. The flesh is tender and of good flavor.

Pkt., 10c; oz., 20c; $\frac{1}{4}$ lb., 50c; lb., \$1.60.

VAUGHAN'S GIANT SUMMER CROOKNECK



OUR FREE DELIVERY. See inside back cover page explaining Free Delivery to first three postal zones. For 5 Cents per Pound More We Prepay to All Zones.

Spray your Squash vines frequently during early stages of growth with Pyrox. See page 126.

SPINACH

Including
SWISS CHARD
The ever-growing
Spinach

PLANT
THE BEST

SWISS CHARD—The City Garden Friend

LARGE LEAVED SEA KALE

This vegetable gives maximum returns for little care and space; it yields a constant crop from July to winter. If your garden space is limited, Swiss Chard must have a place, for in proportion to ground occupied, Swiss Chard produces more food for the table than almost any other vegetable. The leaves are used for greens the same as spinach or beet tops. Sow early in spring, in rows 16 inches apart, and thin out to 6 inches in the rows. It can be used all Summer when spinach is not available. The leaves grow very large, with broad, flat, pure white stems, and mid-ribs, which may be cooked like asparagus, or made into very good pickles. As it grows, thin out for use and keep clear of weeds. Good cultivation increases its tenderness. Gardeners use Swiss Chard as a catch crop, giving quick results on temporarily idle spaces. The investment is small and returns large. Our packages contain recipes for cooking.

Pkt., 10c; oz., 15c; $\frac{1}{4}$ lb., 30c; lb., \$1.00.

LUCULLUS SWISS CHARD. A new Moss Curled sort. Very large leaves. The mid-ribs are very broad and form a good substitute for asparagus during the summer months. Pkt., 10c; oz., 15c; $\frac{1}{4}$ lb., 45c; lb., \$1.50.

LYON SWISS CHARD. A new variety, selected especially for its broad mid-ribs and stems. Pkt., 10c; oz., 15c; $\frac{1}{4}$ lb., 45c; lb., \$1.50.

COOPER'S MAMMOTH. This new mammoth sort is a medium green-colored variety of immense size—large chard or midrib of excellent quality and flavor. Pkt., 10c; oz., 20c; $\frac{1}{4}$ lb., 65c; lb., \$2.25.

TWELVE VEGETABLES GIVING MAXIMUM RETURNS FOR MINIMUM SPACE AND LABOR.

Beans. Stringless Greenpod.
Beets. Vaughan's Fire Ball
Carrot. Early Chantenay.
Sweet Corn. Golden Bantam.
Cucumber. Davis Perfect.
Lettuce. Black Seeded Simpson.

Onion Sets. White Bottom.
Parsley. Vaughan's XXX.
Radish. White Tip "Sparkler."
Radish. Icicle.
Swiss Chard.
Tomato. Bonny Best.

WINTER SQUASH

THE DELICIOUS—For Quality

A squash of exceptional merit for table use. A fall and winter variety, but is fine in all seasons, though its best quality is not attained until winter. The fruit varies in shape and size, weight ranging from 5 to 10 pounds each. The rind is very thin, uniformly green, and the flesh is very thick and dark orange color;

Pkt., 10c; oz., 20c; $\frac{1}{4}$ lb., 60c; lb., \$2.00.

BOSTON MARROW. Very popular for fall and winter; thin rind, orange color, yellow flesh, fine for pies, good keeper.

Pkt., 10c; oz., 15c; $\frac{1}{4}$ lb., 45c; lb., \$1.35.

CHICAGO ORANGE MARROW. Large as Hubbard, good quality, 10 days earlier than others, keeps as long. Season—Sept. to Jan.; always salable, has handsome shape, smooth orange skin, good size, everyone likes it.

Pkt., 10c; oz., 15c; $\frac{1}{4}$ lb., 45c; lb., \$1.35.

PIKE'S PEAK OR SIBLEY. A vigorous, prolific old standard, oval shape, tapering at blossom end, skin dark green, the flesh, of very superior quality, is light yellow. Pkt., 10c; oz., 20c; $\frac{1}{4}$ lb., 50c; lb., \$1.60.

DELICATA. Orange yellow, mottled with spots and stripes of dark green. Flesh, rich and solid, fine keeper and producer. Extra early.

Pkt., 10c; oz., 20c; $\frac{1}{4}$ lb., 60c; $\frac{1}{2}$ lb., \$2.00.

FAXON'S BRAZILIAN. Early, long keeper, a sort that sports, average quality. Pkt., 10c; oz., 15c; $\frac{1}{4}$ lb., 45c; lb., \$1.35.



DELICIOUS SQUASH

You can increase hand labor results ten fold per day by using IRON AGE Hand Garden and Field Tools.



SWISS CHARD
FOR SUMMER GARDEN

GARDEN SORREL

Is boiled and served like spinach, also delicious for soups. As the hot sun tends to increase its acidity, a Northern exposure is advisable. It should be sown in drills 18 inches apart. It is hardy, but the roots should be divided every four years. Pkt., 10c; oz., 20c; $\frac{1}{4}$ lb., 50c; lb., \$1.60.

ORIGINAL HUBBARD SQUASH

Not as large as Vaughan's original Chicago Warded Hubbard, but in shape and quality it is similar. The fruit has dark green skin, and often weighs as much as twenty pounds; the flesh is bright orange color, fine grained, dry and thick, of superior flavor. If stored right, Vaughan's Strain can be sold in good condition until spring. Pkt., 10c; oz., 20c; $\frac{1}{4}$ lb., 50c; lb., \$1.75.



ORIGINAL
HUBBARD

Chicago has been a great market for Hubbard Squash for many years shipping carloads to Boston; our strains of this are, and always have been, first-class.

VAUGHAN'S CHICAGO WARTED HUBBARD

Vaughan's Chicago Warded Hubbard Squash has been bred to meet the requirements of a high-class article of this kind; fruits are of large size, rough skin, dark green in color. For producers on a large scale, these qualities are needed. Our strain is ideal for the home market, vines are of strong robust growth, fruit is large, grand shape, heavily warted, flesh is bright orange, fine grained, rich and dry.

Pkt., 10c; oz., 20c; $\frac{1}{4}$ lb., 50c; lb., \$1.75.

GOLDEN HUBBARD

Fruits are of the same shape as Green Hubbard, and warted, but average one-half to one-third smaller in size. They are earlier in season, but keep in fine condition through the winter. The skin is deep orange yellow and very attractive. Flesh is deep golden yellow, fine grained and delicious.

Pkt., 10c; oz., 20c; $\frac{1}{4}$ lb., 50c; lb., \$1.75.

GOLDEN BRONZE

Large size, 9 to 10 pounds, grayish green color, good keeper, uniform; its sweet flesh is golden yellow. Crop failed.

MARBLEHEAD

Prolific, light blue, olive shape, dry and sweet, delicious flavor. Pkt., 10c; oz., 20c; $\frac{1}{4}$ lb., 50c; lb., \$1.75.

ESSEX HYBRID—Turban-Shape

For fall or winter; large broad fruit; skin and flesh orange-red. Pkt., 10c; oz., 15c; $\frac{1}{4}$ lb., 45c; lb., \$1.35.

PLANT THE BEST

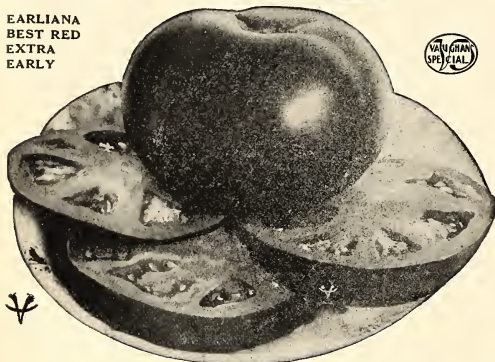
Tomato Plants

We have ready about May 15th, carefully grown tomato plants.

See page 52 for varieties and sizes.



EARLIANA
BEST RED
EXTRA
EARLY



FOUR CLOSELY RELATED EARLY REDS

JOHN BAER (See illustration on back cover). A remarkable new variety of the extra early red or scarlet type. Not quite so early as Earliana, though there are only a few days' difference, and John Baer yields a much heavier crop of larger, more uniform and more attractive fruits. It is far more profitable to grow than any other extra early sort.

Pkt., 10c; ½ oz., 25c; oz., 45c; ¼ lb., \$1.35; lb., \$4.50.

BONNY BEST. Regarded as a shade later than John Baer. Smooth, large and uniform fruit; yields well until frost.

Pkt., 10c; ½ oz., 25c; oz., 45c; ¼ lb., \$1.35; lb., \$4.50.

CHALK'S EARLY JEWEL. The original large smooth extra early red, much planted by canners in the Northern States—many still prefer this to Bonny Best.

Pkt., 10c; ½ oz., 25c; oz., 45c; ¼ lb., \$1.35; lb., \$4.50.

VAUGHAN'S NEW YORK. A worthy sort to follow the early red sorts like Earliana and Chalk's Jewel. It is a second early red-skinned, firm-fleshed tomato of high quality which is at the same time of good size and attractive appearance. Unlike some of the early sorts, the vine yields large size fruits to the end of the season.

Pkt., 10c; ½ oz., 30c; oz., 50c.

ACME—Early (Purple). Very valuable for market gardeners who ship or have a home market, and also for amateurs. The vine is large and very prolific, bearing fruit in clusters of four or five, early and continuously until frost.

Pkt., 10c; oz., 35c; ¼ lb., \$1.00; lb., \$3.50.

EARLY DETROIT (Purple). The equal of any second Early Purple Tomato. Bears uniform, large, handsome, smooth fruit through the long season, yielding in the aggregate more marketable tomatoes than the popular Beauty which variety it most closely resembles. The fruit is firm and almost globe shaped.

Pkt., 10c; oz., 45c; ¼ lb., \$1.40; lb., \$4.75.

BEAUTY (Purple). Is the most popular of the large purple sorts. Vines large, vigorous and heavy bearers, fruit large, uniform, very smooth purplish pink skin; flesh light pink.

Pkt., 10c; oz., 35c; ¼ lb., \$1.00; lb., \$3.50.

HUMMER—Early (Red). Globe shaped, medium size, smooth, prepared for table without waste. Scarlet, free from cracks. Has heavy foliage and should be grown on trellises.

Pkt., 10c; ½ oz., 20c; oz., 35c; ¼ lb., \$1.00.

VAUGHAN'S MODEL TOMATO. A handsome dwarf tree variety, potato leaf; foliage, large, broad, dark green, heavily blistered. The fruit is smooth, and of best quality—the color a brilliant scarlet.

Pkt., 10c; oz., 40c; ¼ lb., \$1.25; lb., \$4.00.

VAUGHAN'S

VAUGHAN'S SELECT EARLIANA

VERY POPULAR EARLY RED

Vaughan's Earliana is the earliest large, smooth bright red tomato. In season it ripens with the earliest, and our strain shows few, if any, of the rough fruits found in large numbers in other early sorts, and among many strains of Earliana. This variety is compact in growth, with stout jointed branches; the vines yield well and the fruit is solid and of fine quality.

Pkt., 10c; ½ oz., 25c; oz., 40c; ¼ lb., \$1.30; lb., \$4.25.

JUNE PINK—The Best Extra Early Pink

In many, perhaps the greater number of markets, a pink early tomato is most desired. This is the earliest of the pink varieties, and is similar in habit to the famous Earliana. We have bred this to such fine smoothness of skin, that in our strain, growers for market find very few rough fruits, and in Western markets where pink tomatoes only sell readily, this is a splendid profit maker.

Pkt., 10c; ½ oz., 30c; oz., 45c; ¼ lb., \$1.40; lb., \$4.75.

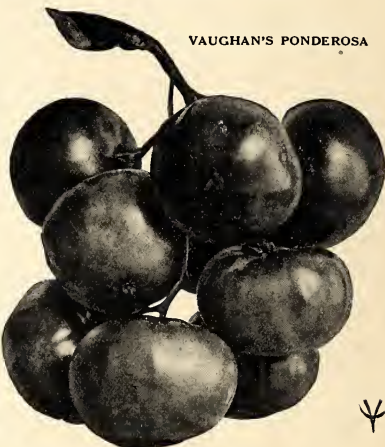
DESCRIPTION
OPPOSITE

A SINGLE



CLUSTER

VAUGHAN'S PONDEROSA

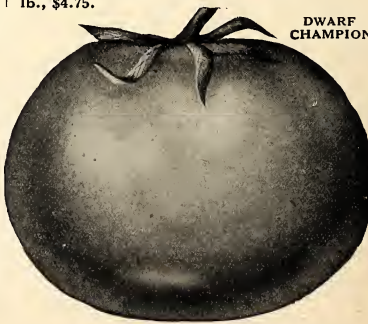


DWARF CHAMPION

A good sort for the home garden. Owing to its dwarf habit and upright tree-like growth it is a great favorite. It is of medium size, very smooth, purplish pink, symmetrical, flesh very solid. The vine is strong and stiff, requiring little support.

Pkt., 10c; ½ oz., 25c; oz., 45c; ¼ lb., \$1.40; lb., \$4.75.

DWARF
CHAMPION



DWARF ARISTOCRAT. This is a scarlet Dwarf Champion. The size, shape, form and color are nearly perfect for home use. It will be found good under glass and for early market out of doors. It may be planted 3x3 feet or closer, making it ideal in home gardens.

Pkt., 10c; oz., 45c; ¼ lb., \$1.35; lb., \$4.50.

FORCING TOMATOES

We provide choicest strains obtainable for greenhouse work.

SUNRISE. Rich scarlet, medium size, solid, delicate flesh. Very prolific.

Pkt., 15c; ½ oz., 35c.

COMET. Scarlet. Fruit medium, the heaviest yielder of greenhouse sorts.

Pkt., 15c; ½ oz., 30c.

HUBERT'S MARVEL. Scarlet color. Round like an apple. Pkt., 15c; ½ oz., 30c.

BEST OF ALL. Sutton's. One of the old standards; good yielder of small scarlet fruits.

Pkt., 10c; ½ oz., 25c.

FROGMORE SELECT. Almost round, small seed cavity, bright red. Pkt., 15c; ½ oz., 25c.

LORILLARD. One of the best known and popular kinds. Pkt., 10c; ½ oz., 25c.

STIRLING CASTLE. Small size, uniform and very productive. Pkt., 15c; ½ oz., 35c.

LISTER'S PROLIFIC (new). Latest popular English sort. Pkt., 15c.

TOMATOES

**PLANT
THE BEST**

DWARF STONE—The Largest Dwarf Tomato

This is the **largest Dwarf tomato**; it resembles "Dwarf Champion," but is of **stronger growth and more erect**. In shape and size it is similar to "Improved New Stone". The fruit is red, and specimens weighing $\frac{3}{4}$ pound are not uncommon. Dwarf Stone is almost as early as "Dwarf Champion," and the fruit is the size of the last named sort. **Fruit ripens evenly, is solid, free from cracks and of excellent quality.** Amateurs find Dwarf Stone a splendid sort, because of its dwarf habit and robust growth.

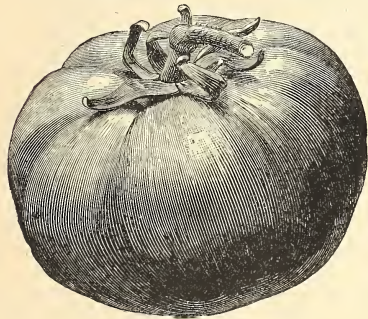
Pkt., 10c; $\frac{1}{2}$ oz., 25c; oz., 45c; $\frac{1}{4}$ lb., \$1.40; lb., \$4.75.

PONDEROSA—The Giant Tomato

Of the large fruited varieties, this one is a gem. The vines are strong in growth, and when planted in good soil and pruned to a single stem, the fruit reaches 1 pound in weight. Tomatoes grow in beautiful clusters. The fruit is mostly oblong in shape, usually ribbed, is deep purple color, has solid flesh of sweet flavor, and small seed cells.

Pkt., 10c; $\frac{1}{2}$ oz., 30c; oz., 50c; $\frac{1}{4}$ lb., \$1.60; lb., \$5.50.

VAUGHAN'S
IMPROVED
NEW STONE



IMPROVED NEW STONE

"KING OF THE REDS"

The very best of the main crop varieties. For yield, size and appearance, we have seen no finer strain than ours. The smooth skin, small core, fine-grained flesh with little acidity, delight the eater and give satisfaction to the grower. Cannors plant it for their main crop and market-gardeners find it their most profitable sort.

Pkt., 10c; $\frac{1}{2}$ oz., 20c; oz., 35c; $\frac{1}{4}$ lb., \$1.00; lb., \$3.50.

MATCHLESS. Large, bright red, long keeping tomato. The solid fruit is produced on strong, vigorous, prolific vines. Very distinct. Pkt., 10c; $\frac{1}{2}$ oz., 20c; oz., 35c; $\frac{1}{4}$ lb., \$1.15; lb., \$4.00.

CREAM CITY. This is one of the very first large tomatoes to ripen, coming in about a week ahead of Acme. Smooth, always round and good size. The color is purplish crimson, similar to Acme. Flesh is very thick, firm and solid, with few seeds. Good shipper. Pkt., 10c; $\frac{1}{2}$ oz., 20c; oz., 35c; $\frac{1}{4}$ lb., \$1.00; lb., \$3.50.

VAUGHAN'S TALL CHAMPION. An extremely strong grower and heavy bearer; the fruit is like "Dwarf Champion" in color and smoothness, but runs a little larger in size, averaging 2 $\frac{1}{2}$ inches thick and 3 $\frac{1}{2}$ inches broad. It is very hardy and very prolific, one of the most desirable sorts for both home and market use. Pkt., 10c; $\frac{1}{2}$ oz., 20c; oz., 35c; $\frac{1}{4}$ lb., \$1.00.

ENORMOUS. Very large, beautifully smooth, solid flesh, few seeds, rather oval shape, mid-season, ripens all through at once. Pkt., 10c; $\frac{1}{2}$ oz., 30c; oz., 50c; $\frac{1}{4}$ lb., \$1.50.

CORLESS TOMATO. A late red; most perfect shape, best suited to southern and central states; requires long season to mature. The productive vines bear clusters of 4 to 7 tomatoes. Splendid for home gardeners and canners. Pkt., 10c; $\frac{1}{2}$ oz., 25c; oz., 45c; $\frac{1}{4}$ lb., \$1.40.

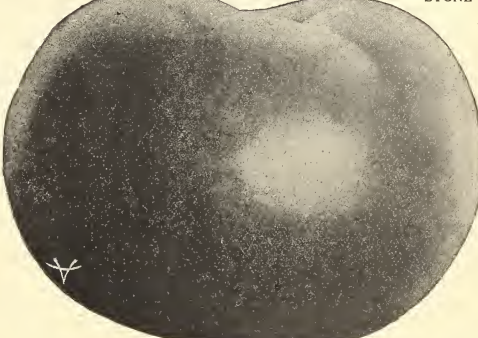
CRIMSON CUSHION or Beefsteak. Is very large, round and regular; bright scarlet skin, solid flesh of best quality, seed cells small. Plants are very prolific, fine appearance. Pkt., 10c; $\frac{1}{2}$ oz., 30c; oz., 55c; $\frac{1}{4}$ lb., \$1.60.

MAGNUS. An early main crop; strong growing vines, with short joints, placing the fruit clusters close together; a heavy cropper. Fruit is globe shape, and ripens evenly. Pkt., 10c; $\frac{1}{2}$ oz., 20c; oz., 35c; $\frac{1}{4}$ lb., \$1.00; lb., \$3.50.



The Dwarf or Tree Tomatoes take up less room in the garden than the tall sorts and require no staking. Best sorts are Dwarf Aristocrat, Dwarf Champion and Dwarf Stone.

DWARF
STONE



GOLDEN PONDEROSA

A YELLOW GEM

This is a yellow Ponderosa equal in size to that magnificent variety. Sliced and served with the Purple Ponderosa, it makes a highly decorative and appetizing salad. Runs nearly true to type with a small percentage of mixed fruits.

Pkt., 10c; $\frac{1}{2}$ oz., 35c; oz., 60c; $\frac{1}{4}$ lb., \$1.75; lb., \$6.50.

Small Fruited Tomatoes

Very desirable for pickles and preserves.

New Grape or Cluster, Napoleon

This is the best of the so-called "desert" tomatoes which are eaten whole. Immensely productive; sometimes 40 to 60 of the small fruits fully developed in one cluster. Pinch off some of the blossoms, if increased size is wanted. The flavor is delicious. Pkt., 15c; $\frac{1}{2}$ oz., 35c; oz., 60c.

RED CURRANT. Very small.

Pkt., 10c; $\frac{1}{2}$ oz., 40c; oz., 70c; $\frac{1}{4}$ lb., \$2.00.

Prices of the following: Pkt., 10c; $\frac{1}{2}$ oz., 35c; oz., 60c; $\frac{1}{4}$ lb., \$1.75.

TWO PEACH TOMATOES. Peach shape and color. Red or Yellow.

YELLOW PLUM AND RED PLUM. Fruit about 2 inches long, 1 inch through; the one is lemon yellow, the other plum red.

YELLOW AND RED PEAR. Distinct shape.

RED CHERRY. Small fruit, bright scarlet.

HUSK or Strawberry. The small yellow fruit is enclosed in a husk. It is very sweet, prized for eating, preserving and making pies.

OTHER STANDARD SORTS

GOLDEN QUEEN. Brick yellow. Pkt., 10c; $\frac{1}{2}$ oz., 25c; oz., 40c; $\frac{1}{4}$ lb., \$1.30; lb., \$4.25.

All below at the following prices: Pkt., 10c; $\frac{1}{2}$ oz., 20c; oz., 35c; $\frac{1}{4}$ lb., \$1.00; lb., \$3.50.

Atlantic Prize. Early Red. Honor Bright. Fine shipper

Buckeye State. Large purple Imperial. Early purple

Early Freedom. Very early Perfection. Blood red late.

Early Michigan. Early Red Trophy. Old standard; late.

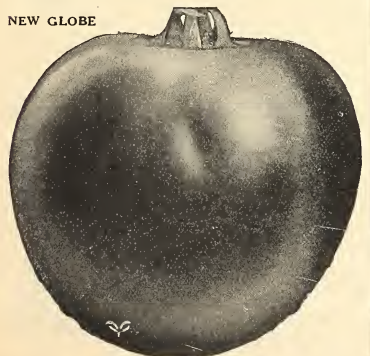
Favorite. Early red

NEW GLOBE TOMATO

This new Globe or Ball-Shaped tomato is ideal for the home garden; it is excellent for slicing. The rich, juicy, tomato flavor gives a certain zest and joy in the eating. The vines ripen the first fruits with the second earlies. They yield a heavy crop and continue to bear until frost. The skin is a smooth, glossy red; the flesh is firm and it has few seeds.

Pkt., 10c; $\frac{1}{2}$ oz., 25c; oz., 40c; $\frac{1}{4}$ lb., \$1.25; lb., \$4.00.

NEW GLOBE



PLANT THE BEST

Mangels are as necessary to the general stock farmer as to the dairy farmer. Hogs will thrive on them almost as well as on alfalfa and sheep will just about live on them all winter.

WHITE FLESH VARIETIES

VAUGHAN'S

TURNIP, PURPLE TOP WHITE GLOBE



GARDEN OR

PURPLE TOP WHITE GLOBE

Originated from "Purple Top Flat Turnip," is extensively planted and popular for its fine qualities. The flesh is firm, fine grained, sweet and rich flavored; it is of good size, globe shaped, fine appearance, a good producer and fine keeper. Splendid for table—tip top for stock.
Pkt., 10c; oz. 15c; ¼ lb., 30c; ½ lb., 90c; 5 lb., \$3.75.

EXTRA EARLY PURPLE TOP MILAN

An excellent medium size turnip, almost as early as White Milan, smooth white surface, purple top, flat shape, white flesh—its growth is very uniform and quality the best. Pkt., 10c; oz. 20c; ¼ lb., 50c; ½ lb., \$1.75.

EARLY WHITE MILAN is the earliest turnip, but can be used Spring or Fall. The skin is smooth, snowy white, has a polished appearance; medium size, white, tender, sweet.

Pkt., 10c; oz. 20c; ¼ lb., 50c; ½ lb., \$1.75.

WHITE FLAT DUTCH, a very fine turnip when not overgrown, but spongy and inferior if over matured. It is an early garden variety, popular in the Southern states; is medium sized, sweet, tender and desirable for table use. Pkt., 5c; oz. 10c; ¼ lb., 25c; ½ lb., 75c.

EARLY SNOWBALL. Small, white, grows quickly, splendid table quality. Pkt., 5c; oz. 10c; ¼ lb., 25c; ½ lb., 75c.

MANGELS OR STOCK BEETS BARRES SLUDSTRUP

Holds the world's record for dry matter content. This Mangel has been awarded the first-class certificate several times by the Danish Government, the highest honor in Denmark, where Mangels are as important as corn is here. Sludstrup is a long, reddish-yellow, ovoid root, growing more than half above ground. Easily harvested, and by actual test far exceeds any other variety in weight and in the feeding value of the yield. Our seed is from the best Danish growers. Oz., 10c; ¼ lb., 25c; ½ lb., 75c; 5 lbs., \$2.75.

VAUGHAN'S MAMMOTH LONG RED. Largest and heaviest cropper of long red sorts; yields up to 40 tons per acre on well prepared land. Dark foliage, bright red skin and white flesh veined with pink. Grows well up above the ground; easy to harvest. Splendid dairy feed. Oz., 10c; ¼ lb., 20c; ½ lb., 60c; 5 lbs., \$2.50.

GOLDEN TANKARD. Smooth, yellow flesh, small yellow-stemmed top, length 11 inches, diameter 4 inches, shape cylindrical. Very nutritious. Oz., 10c; ¼ lb., 25c; ½ lb., 75c; 5 lbs., \$2.75.

GIANT YELLOW INTERMEDIATE. Between the long and globe sorts in shape; skin yellow, flesh white with yellow zone. Better than longer kinds for shallow soils. Oz., 10c; ¼ lb., 20c; ½ lb., 60c; 5 lbs., \$2.50.

CHAMPION YELLOW GLOBE. Skin a rich yellow, flesh white and solid; grows two-thirds above ground hence the best for shallow soils. Good keeper. Oz., 10c; ¼ lb., 20c; ½ lb., 60c; 5 lbs., \$2.75.

GIANT YELLOW ECKENDORF. One of the most popular European varieties; contains a large amount of nutritive matter; it is also a remarkably heavy yielder. The great yellow roots, cylindrical in form, weigh 15 to 20 pounds each; the greater portion grows above ground. Easily harvested. Oz., 10c; ¼ lb., 25c; ½ lb., 75c; 5 lbs., \$2.75.

GIANT ROSE HALF SUGAR. Combines best qualities of Sugar Beets and Mangels. About the same shape as Long Red, but has white skin and flesh. Highly nutritious and a big producer. Oz., 10c; ¼ lb., 20c; ½ lb., 60c; 5 lbs., \$2.50.

SUGAR BEETS—Fine for Stock

The kinds offered below are grown from roots the test analysis of which showed high sugar content. Prices are the following: Oz., 10c; ¼ lb., 25c; ½ lb., 75c; 5 lbs., \$3.25. **VILMORIN'S IMPERIAL**. Improved French variety; large, thick at shoulder, tapering below; yields nearly as much as the Mangels, with one per cent sugar.

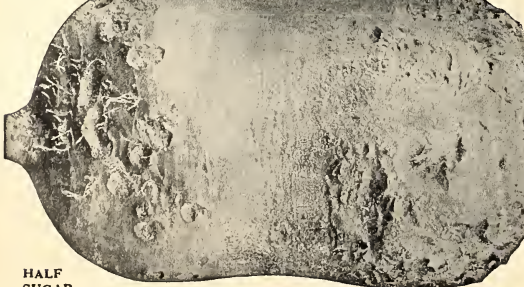
KLEIN-WANZLEBEN. Wedge-shaped, tapering to long tail.

LANE'S IMPROVED. Heavy yielder; light snow white.

FRENCH RED TOP SUGAR. Famous in France for percentage of sugar.

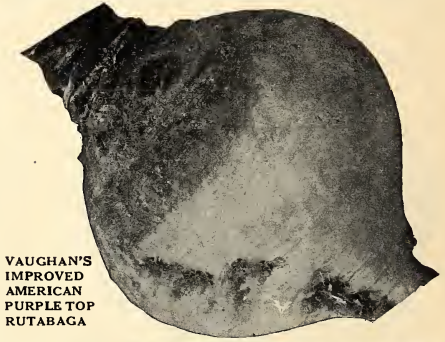
REDUCE YOUR SUGAR BILL. Sow a row of sugar beet for syrup. Cut beets into thin slices and soak in hot water to extract the sugar. The liquid is then boiled down. Very easily grown. One ounce will plant a 50-foot row.

MANGEL



HALF
SUGAR

VAUGHAN'S
IMPROVED
AMERICAN
PURPLE TOP
RUTABAGA



FREE BOOKLET ON ROOT CROPS

ROOT CROPS

Root crops are a great necessity for all kinds of stock, and fowl too, root feeding not only gives high class tissue-building substance to the body, but acts also as a tonic, keeping in healthy condition the digestive organs and maintaining general good health. As a body-builder, root crops should be consistently and regularly fed to all stock; where such is done, results will show not only in the healthful appearance

CARROTS FOR STOCK—Best for Horses

Carrots are very valuable for all kinds of domestic animals and best for horses. When fed alternately with oats to work-teams on the farm, the value of Carrots is equal to the Oats they displace.

MASTODON OR WHITE INTERMEDIATE. Heaviest cropping Carrot. Roots short, white, very heavy at shoulder, easy to harvest without breaking. One of the most profitable sorts. Oz., 10c; ¼ lb., 25c; ½ lb., 75c; 5 lbs., \$3.25.

LONG WHITE BELGIAN. Similar to Long Orange except in color. Oz., 10c; ¼ lb., 25c; ½ lb., 75c; 5 lbs., \$3.25.

MANGEL



HALF
SUGAR

MANGEL
BARRES SLUDSTRUP

GROWN FOR STOCK

THEY MAKE THEM
THRIVE, FATTEN
AND ENRICH
THE STOCK-
MAN'S
PURSE

ALL STOCK
THRIVE ON
THESE

TURNIPS

WHITE
AND YELLOW
VARIETIES

Sow all Root Crops for stock feeding in drills, 2 feet apart, and thin out to 9 inches in the rows. It requires 5 lbs. of Mangel Seed and 4 lbs. of Turnip or Rutabaga to sow an acre with a seeder.

PLANT
THE BEST

TABLE VARIETIES

PURPLE TOP STRAP-LEAVED

Is a table variety, fine, tender and deliciously flavored. It is a week later than "White Milan." It is broad shaped, medium size, white flesh fine grained, splendid quality. Top is dark red or purple, elsewhere white, has few leaves, upright in growth, fine keeper.

Pkt., 10c; oz., 15c; $\frac{1}{4}$ lb., 30c; lb., 90c; 5 lb., \$3.65.
GOLDEN BALL or Orange Jelly. Medium size, globular table turnip. Season early. Flesh yellow, sweet.

Pkt., 10c; oz., 15c; $\frac{1}{4}$ lb., 30c; lb., 90c.
YELLOW STONE. Popular variety, yellow flesh, round shape, somewhat flattened; excellent quality for table or market. Good for stock.

Pkt., 10c; oz., 15c; $\frac{1}{4}$ lb., 30c; lb., 90c.
Teltow. Small in size; a German delicacy of remarkable quality.

Pkt., 10c; oz., 15c; $\frac{1}{4}$ lb., 35c; lb., \$1.00.
SEVEN TOP. A variety much grown in the south for the tops, which are used as greens. Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 25c; lb., 75c.

LARGE YELLOW, or AMBER GLOBE. Fine quality and sweet. Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 25c; lb., 75c.

TABLE RUTABAGAS

Prices of the following: Pkt., 10c; oz., 15c; $\frac{1}{4}$ lb., 30c; lb., 90c.
VAUGHAN'S IMPROVED. One of the best flavored of all. See description under Swedes and Rutabagas for Stock on this page.

LAING'S GARDEN RUTABAGA. Short top, well shaped, medium root. Purple skin, yellow flesh. A splendid winter keeper, delicious after first few November frosts.

WHITE SWED. White, solid.
SWEET GERMAN. A fine table sort, white flesh, excellent keeper.

Those Dearborn Potatoes are wonderful. I had a fine crop last year.
DR. IRA A. MARSHALL, Ironton, Mo.



PURPLE TOP MILAN

WHITE FLAT DUTCH

FOR STOCK

ASK FOR IT
WHEN ORDERING

and physical fitness of the stock, but also in their profit-making increase of weight, and in dairy animals, enriched milk. The following succession in spring will furnish succulent feed from September to April; Turnips, Rutabagas, Mangels, the latter not being in condition to use before January. Roots should be chopped or sliced and fed with other forage.

VAUGHAN'S HALF LONG DANVERS. Another broad-shoulder variety. Stump rooted and a wonderful producer. Fine for stock.

Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 30c; lb., \$1.00; 5 lb., \$4.50.
IMPROVED LONG ORANGE. Extra good yielder. Roots long, tapering from shoulder to a point. Largely grown for stock, good table variety. Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 35c; lb., \$1.00; 5 lb., \$4.50.

LONG ORANGE BELGIAN. Good heavy cropper for light soils where roots can be easily dug. Exceptionally fine keeper.

Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 25c; lb., 75c; 5 lb., \$3.25.

TABLE ROOT CROPS—FOR STORING IN THE CELLAR

At no time are vegetables more needed, and incidentally more expensive, than in winter. If you have a cellar barn or other suitable place where you can store root crops, let your garden produce them; they are easily grown and they make wholesome, delicious, nourishing food.

"Winter Storage" Collection "W 8". Eight Packets.

One each of the following for 35c:

RUTABAGAS, Vaughan's Improved

and Laing's Swede;

TURNIP, Large

Yellow and Purple

Strapleaf; CAR-

ROT, Danvers;

PARSNIP, Marrow-

fat; BEETS, De-

trefoil and Egyptian.

Collection No. "W 8"

The above eight

packets, with booklet

telling how to grow

and store,

postpaid,

35c

Enriches the Milk of Dairy Stock

VAUGHAN'S MAMMOTH LONG RED MANGEL

SWEDS AND RUTABAGAS—for Stock

A profitable and highly nutritious crop to grow for winter feed for all Farm Stock and Fowl. The smaller roots can also be used as a table vegetable, are somewhat coarser than those recommended above, but are valuable for winter storing.

VAUGHAN'S IMPROVED AMERICAN PURPLE TOP is from stock of a purple top; largest and best shaped variety, small neck, smooth skin; good cropper and keeper. One of the most profitable to grow on account of its great yield of large solid roots, which make excellent winter feed for all farm stock.

Excellent table quality. Pkt., 10c; oz., 15c; $\frac{1}{4}$ lb., 30c; lb., 90c; 5 lb., \$3.75.
MONARCH. A stock crop for early feeding, oblong shape, yellow flesh, one grain, fine flavor, superior in quality and weight. Produces 5 to 7 tons per acre more than any other Swede. Pkt., 10c; oz., 15c; $\frac{1}{4}$ lb., 30c; lb., 90c.

RHODE ISLAND ROCK. Great improvement on White French Turnip, made after years of selection by a Rhode Island market gardener. Three weeks earlier than any turnip of its class; can be planted later to follow peas, corn, beets, etc. Very hardy, solid pure white flesh, fine grained, brittle and sweet.

Exceeds as a keeper. Pkt., 10c; oz., 20c; $\frac{1}{4}$ lb., 45c; lb., \$1.50.

VASSAR. This is a yellow-fleshed selection of the White Breadstone Rutabaga, and is a very desirable variety for late fall use. The flavor is at its best about Christmas and after. The roots are very hard and keep into the summer if stored in a good cellar. Pkt., 10c; oz., 15c; $\frac{1}{4}$ lb., 35c; lb., \$1.00.

CARTER'S IMPERIAL. Pkt., 10c; oz., 15c; $\frac{1}{4}$ lb., 30c; lb., 90c.
SKIRVING'S. Large yellow. Pkt., 10c; oz., 15c; $\frac{1}{4}$ lb., 30c; lb., 90c.

BREADSTONE. Medium size, white roots. Pkt., 10c; oz., 15c; $\frac{1}{4}$ lb., 30c; lb., 90c.
BANGHOLM DANISH. Yellow flesh, purple top with small neck.

Danish pedigree seed. Pkt., 10c; oz., 15c; $\frac{1}{4}$ lb., 35c; lb., \$1.00.
SUTTON'S CHAMPION. Round, big yielder, yellow flesh.

LARGE FIELD TURNIPS—for Stock

COW HORN or LONG WHITE. Grows nearly half way out of the ground, carrot shape, usually slightly bent; pure white.

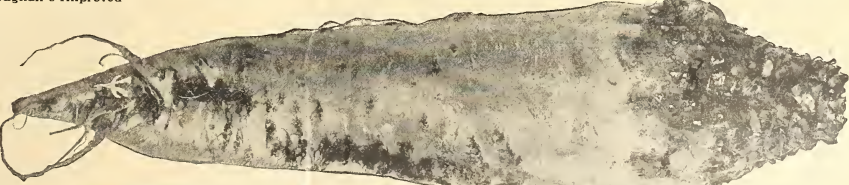
Pkt., 10c; oz., 15c; $\frac{1}{4}$ lb., 35c; lb., \$1.00.
WHITE EGG. Quick growing, egg shaped, perfectly smooth, pure white variety, grows half way out of ground with small tops and rough leaves, never has rank, strong taste, but the sweet, firm flesh is always mild, rich and fine flavored.

Prices of the following: Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 25c; lb., 75c.
POMERANIAN WHITE GLOBE. Large, good both for table and stock.

LARGE WHITE NORFOLK. Globular, late, solid.
YELLOW ABERDEEN. Large globe-shaped table and stock variety.

I would like to take this opportunity of expressing our appreciation of the uniformly high quality of the seeds which we have received from you.

HELEN INGERSOLL, New York City.



THE ESSENCE OF NOURISHMENT FOR HOGS AND SHEEP.



SEEDLING TRANSPLANT POT PLANT

The above illustration shows the bushy, vigorous growth of a Tomato pot plant compared with a Transplant and Seedling of the same height.

PEPPER. Ready about May 15th.

	Prepaid Prices	Not Prepaid
Sweet Mountain, Vaughan's Magnum		
Dulce and Cayenne. Pimento.	Doz. 100	Doz. 100
Transplanted Plants	\$0.40 \$2.50	\$0.35 \$2.25
From 2-inch pots. By express only.		.75 5.00

TOMATO. Ready about May 15th.

Earliana, Dwarf Stone, Beauty, Improved New Stone, Ponderosa, John Baer and Golden Ponderosa.		
Transplanted Plants	.35 2.25	.30 2.00
From 2-inch pots. By express only.		.65 4.50

SWEET POTATOES. Ready about May 20th.

Yellow Jersey, Red Jersey. 100 for \$1.50, prepaid; 250 for \$2.50; 500 for \$4.50; 1000 for \$8.00. By express at buyer's expense.

NOTICE—Although we exercise the greatest care in the packing and dispatch of Vegetable Plants, we cannot guarantee safe arrival. Our responsibility ends on delivery to P. O. or Express Office. No Plants sent C. O. D. and no Pot Plants sent by Mail.

Please Note: Pot Plants cannot be sent by Mail. Transplanted plants cannot be supplied from New York.

For flavoring soups, meats, etc., a few pot and sweet herbs are necessary for every garden. If they are to be used during the winter, the stalks should be cut on a dry day, when not quite in full bloom.

HERBS

Herbs should be gathered and dried quickly in the shade, then packed closely in boxes away from the action of the elements. Varieties preceded by an (*) are perennials.

ANISE. Used for garnishing, seasoning and for cordials. Pkt., 10c; oz., 35c.

BALM. Used for making Balm wine and tea. Pkt., 10c; oz., 35c.

BASIL, Sweet. The leaves are used for flavoring soups, stews and highly seasoned dishes. Pkt., 5c; oz., 25c.

BENE. The leaves immersed in water make a drink very beneficial in cases of dysentery. Pkt., 10c; oz., 35c.

BORAGE. Flowers excellent for bees. Leaves used in salads. The flower spikes can be used in cooling drinks. Pkt., 10c; oz., 25c.

CARAWAY. Seeds are used for flavoring. Pkt., 10c; oz., 15c.

CATNIP OR CATMINT. Grown for bees, also for seasoning. Pkt., 10c; oz., 60c.

CHAMOMILE (MATRICARIA CHAMOMILE). The dried flowers possess medicinal qualities. Prescribed as an emetic and vermifuge. Pkt., 10c; ½ oz., 35c.

***CHIVES SEED.** Used for seasoning. Pkt., 15c; ½ oz., 60c; oz., \$1.00.

CORIANDER. The seeds are used for flavoring. Pkt., 10c; oz., 15c.

DILL. Leaves are used in pickles and for flavoring soups and sauces. Pkt., 10c; oz., 15c; ½ lb., 35c; lb., \$1.00.

***FENNEL, Sweet.** The leaves boiled are used in fish sauces and are beautiful for garnishing. The seeds are used for flavoring. Pkt., 10c; oz., 20c.

FENNEL, Florence. An excellent legume with agreeable aromatic flavor, sweet taste and a delicate odor. Very distinct from Sweet Fennel. Height of plant, 2 ft. Directions for culture and use given with each order. Pkt., 10c; oz., 15c; ¼ lb., 50c.

***HENBANE.** The growing plants are said to absorb malaria germs. Pkt., 10c; oz., 60c.

***HOP SEED.** Pkt., 10c.

***HOREHOUND.** The leaves are used for flavoring and also in the manufacture of cough remedies. Pkt., 10c; oz., 40c.

HYSSOP. The tops and flowers are used for Hyssop tea. Pkt., 10c; oz., 25c.

***LAVENDER.** The leaves are sometimes used for seasoning, but the plant is chiefly grown for its flowers, which are used in making perfumes. Two kinds.

Lavender (Lavandula vera). True Lavender. Pkt., 10c; oz., 60c.

Lavender (Lavandula spica). Not quite so strong as above.

Pkt., 10c; oz., 30c; ¼ lb., \$1.00.

LAVENDER PLANTS. Give much better results than seed. Price, 3 for 55c; doz., \$3.00; per 100, \$15.00.

MARJORAM (Sweet). The leaves and the end of the shoots are used for flavoring in summer and they are also dried for winter use. Pkt., 10c; oz., 60c.

***MINT.** For mint sauce and juleps. Pkt., 10c; oz., 60c; doz., \$2.50.

By mail, add 5c each; doz., 20c.

WITH our extensive greenhouses and frames at Western Springs, Ill., we are able to grow plants in large quantities and of superior quality. Besides which we make emergency contracts for an additional supply to guard against accident to our own crops. **Note dates** at which we ship the different kinds of plants. Please make shipping date on your order to correspond with these and kindly make out your vegetable plant order on a separate sheet. **For southern customers** we make slightly earlier shipments.

Our specialty POT-GROWN PLANTS, carefully grown and hardened off. We pack carefully for express shipments only.

CABBAGE.

Early Sorts. Jersey Wakefield, All Head, Copenhagen Market.

Prepaid Prices	Not Prepaid
Doz. 100	Doz. 100

Ready about April 20th.

Transplanted Plants. \$0.35 \$2.15 \$0.30 \$2.00

Late Sorts. Premium Flat Dutch, Danish Ballhead.

Ready in May and June.

Transplanted Plants.35 2.15 .30 2.00

Red Cabbage. Transplanted Plants. . .35 2.15 .30 2.00

CAULIFLOWER. Ready in April.

Vaughan's New Snowball.

Transplanted Plants.35 2.25 .30 2.00

From 2-inch pots. By express only.65 4.50

CELERY. Ready June 15th.

Early Varieties.

White Plum, Golden Self-Blanching, Giant Golden Heart.

Late Varieties.

Winter Queen, Easy Blanching.

Transplanted Plants, 5 kinds.25 1.50

100 for \$1.20; 250 for \$3.00; 500 for \$5.50; 1000 for \$10.00. Not Prepaid.

EGG PLANT. Ready about May 15th.

New York Purple Improved.

From 2-inch pots. By express only.75 5.00

***TARRAGON (Artemisia Dracuncul).** The leaves, dried or fresh, are steeped in ordinary vinegar. Plants only. Price, 3 for 85c; doz., \$3.00; per 100, \$15.00.

THYME. Used for seasoning; a tea is also made for nervous headache. Pkt., 10c; ½ oz., 40c; oz., 70c.

WOODRUFF OR WALDMEISTER (Asperula odorata). Used in May Wine and also for perfuming clothes. Pkt., 10c.

***WORMWOOD.** Beneficial for poultry; plant in your poultry yard. Pkt., 10c; oz., 25c.

PENNYROYAL. Leaves are used for seasoning. Pkt., 10c; oz., 35c.

PEPPERMINT. The leaves and stems are used for flavoring, but particularly for the distillation of the essence of peppermint. Pkt., 25c.

PIMPINELLA (Burnet). The young leaves are used as salad; their flavor resembles cucumbers. Pkt., 10c; oz., 25c.

ROSEMARY. The leaves are used for seasoning. Pkt., 10c; oz., 35c.

***RUE.** For medical purposes; good for rump in fowls. Pkt., 10c; oz., 60c.

SAFFRON. Used for coloring and for flavoring. Pkt., 10c; oz., 25c.

SAGE (Hol's Mammoth). The plants are of strong growth, attain a height of 1 ft. the first season and spread so that a single plant covers a space 3 ft. in diameter; are perfectly hardy and make a still larger growth the second season. Price, 3 for 65c; doz., \$2.50; per 100, \$12.00.

By mail, add 5c each; doz., 20c.

SAGE SEED. Leaves and tops are used for seasoning and stuffing. Pkt., 10c; oz., 40c; oz., 75c.

SUMMER SAVORY. The leaves and young shoots are used for flavoring, especially for boiled stringbeans. Pkt., 10c; oz., 30c.

TACETES LUCIDA. Possesses in its green parts almost exactly the taste of Tarragon flavor; of easiest culture. Pkt., 10c; ½ oz., 20c; oz., 35c.



SWEET MARJORAM
(Marjoram, Marjolain)

VAUGHAN'S TREE SEEDS

EVERGREEN seeds should be sown very early in spring, in a firm, sandy seed-bed. Give the young seedlings some shade the first summer. Apple, Pear and Locust should be mixed with sand in boxes and exposed to frost; where this cannot be done, soak in hot water for an hour before sowing. The other deciduous seeds can be sown in April or May in drills 2 feet apart.

One pound lots and less include postage; write for prices on large lots.

	Pkt.	Oz.	¼ lb.	Lb.
Apple.....	\$0.10	\$0.20	\$0.60	\$2.00
Arbor Vitae, American.....	.10	.40	1.25	4.50
Birch, White.....	.10	.20	.60	2.50

	Pkt.	Oz.	¼ lb.	Lb.	10 lb.
Box Elder.....	\$0.05	\$0.10	\$0.35	\$1.00	\$9.00
Catalpa Speciosa.....	.10	.20	.50	1.75	....
Locust Honey.....	.10	.20	.50	1.75	....
Locust, Black or Yellow.....	.05	.10	.35	1.00	....
Maple, Oregon Mammoth.....	.10	.20	.50	1.75	....
Mulberry, Russian.....	.10	.35	1.10	4.00	....
Osage Orange.....	.05	.15	.45	1.50	....
Pear, French.....	.10	.35	1.10	4.00	....
Pine, Scotch.....	.10	.40	1.25	4.50	....
Spruce, Norway.....	.10	.35	1.10	4.00	....

POULTRY FEEDS AND SUPPLIES

WE CARRY A FULL LINE OF

Poultry Feeds (Scratch, Mash and Baby Chick)—Pigeon Feed.

Incubators and Brooders (Buckeye and Prairie State) Sprouters, Fountains, Sprayers, Feeders, Remedies and all supplies.

Write for Vaughan's Poultry Catalog.

NEW ANNUAL SWEET CLOVER

We can offer only one ounce to a customer of this remarkable new feeding and soiling crop. Our stock of seed was grown from 40 seeds sent us for trial a few years ago by Prof. Hughes of the Agricultural College, Ames, Ia., and this is the first year we have been able to offer seed. It produces the first year a crop almost equal to the second year's growth of biennial Sweet Clover, giving the highest yield of high feeding value hay of any crop we know. For trial, small packet, 10c; ¼ oz., 25c; oz., 75c.

DWARF ESSEX RAPE

This is an ideal sheep feed, easily grown; perfectly hardy and possesses remarkable fattening properties. One acre will pasture 36 head of sheep two months, and lambs will make a gain of 8 to 12 pounds a month. Pigs and cattle are also very fond of it. The plant is a rank grower and should have heavy manuring as well as high cultivation. Any crop soil will grow Rape. Sow the seed by the end of June and the crop can be ready to feed at a season when it is most needed. If the soil is rich and clean, sow broadcast; if not so clean, sow in drills and cultivate as for corn. When sown broadcast use 5 lbs. and if in drills 2 lbs. to the acre.

Grain bags, 50c each extra.

Japanese grown (Winter Sowing Rape).

Lb., 20c; 10 lbs., \$1.35; 100 lbs., \$11.00.

Genuine English Grown. Dwarf Essex Rape.

Lb., 22c; 10 lbs., \$1.60; 100 lbs., \$13.50.

AUSTRALIAN SALT BUSH

A forage plant for arid or alkali lands. The plant after three seasons neutralizes the soil so other plants will grow. Sow in garden bed, and transplant 7 feet apart. Oz., 15c; ¼ lb., 35c; lb., \$1.10.

BIRD SEED

Vaughan's Re-cleaned of Highest Quality

The health of your birds depends as much on the quality of their food as on their general care.

Clean, fresh bird seed is essential. Vaughan's bird seed can always be depended on. It is of the highest grade, carefully re-cleaned and always fresh.

You can feed it to your birds with absolute confidence that you are giving them the best obtainable.

Beware of cheap package bird food. Feed them Vaughan's and be sure.

BLUE MAW (Poppy). Per lb., 60c; 5 lbs., \$2.75.

CANTARY SEED. Lb., 20c; 5 lbs., 65c; 10 lbs., \$1.20.

CUTTLEFISH BONE. Per lb., \$1.25.

HEMP. Per lb., 15c; 5 lbs., 50c; 10 lbs., 90c.

LETTUCE SEED FOR BIRDS. Per ¼ lb., 10c; 1 lb., 25c; 5 lbs., \$1.00.

MILLET, Fancy Re-cleaned. Per lb., 12c; 10 lbs., 65c.

BIRD RAPE. (Not Dwarf Essex). Per lb., 20c; 5 lbs., 70c; 10 lbs., \$1.30.

SUNFLOWER SEED, extra clean for birds. Lb., 15c; 5 lbs., 50c; 10 lbs., 90c.



DWARF ESSEX RAPE

Tobacco Seed

Packets, of any of the following each, 10c

	per oz.	¼ lb.	lb.
Comstock's Spanish. Wisconsin Favorite.....	\$0.60	\$2.00	\$7.50
Primus. Yields big crops, fine quality.....	.55	1.85	7.00
Harby. Turkish; stands heat, drought.....	.60	2.00	7.50
Brazilian-American. Brazilian strain.....	.55	1.85	7.00
Big Havana. A hybrid Havana.....	.60	2.00	7.50
General Grant. Leaves 44 inches long, matures crop early. Ideal for cigars.....	.60	2.00	7.50
Connecticut Seed Leaf. Best adapted to climate of Middle and Northern States.....	.60	2.00	7.50
Big Oronoko. Has no equal for strips and dark wrappers.....	.55	1.85	7.00
White Burley. The popular Kentucky sort.....	.55	1.85	7.00

Not only can you raise your own tobacco; but you can grow your own pipes. Sow a few seeds of Calabash Pipe Gourd. See No. 1489 on page 76.

SUNFLOWER MAM. RUSSIAN

Standard crop raised for the seed which is used in Poultry and Parrot feeds. Fancy domestic seed. Sow about 8 lbs. to acre. Oz., 5c; lb., 15c; 10 lbs., 90c; 100 lbs., \$6.50. Bags free.

TEOSINTE

A valuable continuous cutting forage plant for Southern and Southwestern states. It resembles Indian corn, but the leaves are larger and the crop sweeter. Sow in May or June in drills 3½ to 4 feet; 2 to 3 lbs. per acre. Pkt. 5c; oz. 10c; ¼ lb. 25c; lb. 75c.

PEANUTS

Spanish—Earliest variety, solid and well filled. Sow in rows 3 feet apart, 8 to 10 inches in the row.

Pkt., 10c; lb., 30c; 5 lbs., \$1.20; 10 lbs., \$2.00.

Mammoth Virginia, later than Spanish—with large pods and kernels.

Pkt., 10c; lb., 30c; 5 lbs., \$1.20; 10 lbs., \$2.00.

CHUFAS or EARTH ALMONDS

Used to fatten hogs. Nuts grow under ground very near surface, easily reached by pigs or poultry, and destroyed by them if they have free access. Plant in April, in rows 3 feet apart, and 8 to 10 inches apart in row. If seed is dry, soak before planting. Sow 15 lbs. of seed per acre.

Pkt., 10c; lb., 30c; 10 lbs., \$2.25; 100 lbs., \$20.00.

FLAX SEED

Primost Variety, fancy re-cleaned Dakota seed. (Bu. 56 lbs.)

Peck, \$1.10; bu., \$4.00. Bags free.

If shipped from New York, add 65c per bushel.

The "New York" tomato plants obtained from you during the past two seasons have proven entirely satisfactory and in comparison with four standard varieties which I grew during the past season left nothing to be desired.

Yours very truly, W. K. WIKER.

Please tell us if we may substitute in case any variety ordered by you is sold out.

PLANT THE BEST

Ask for prices
on Meadow and
Pasture Mixtures
giving acreage to
be seeded.

VAUGHAN'S FANCY

FANCY KENTUCKY BLUE GRASS (*Poa pratensis*)

The greatest of all pasture grasses for America particularly on limestone soils. All live stock like and thrive and fatten upon it. It requires time to establish itself and should be grazed on lightly for the first two years. The time of sowing depends upon locality. In some sections Early Spring and again in June and in others the Fall is best. Bush, 14 lbs., sow three per acre.

Vaughan's re-cleaned, the highest grade of this grass seed that perfect growing and careful cleaning can produce, is the best that can possibly be procured. Extra Fancy Sun-dried Seed, twice re-cleaned; very high germination. Actual weight, 25 lbs. per bush, sold at legal weight (14 lbs. per bush.), 1 lb., 45¢; 5 lbs., \$2.15; 10 lbs., \$4.20; 100 lbs., \$40.00.

Fancy Seed, actual weight 21 lbs. per bush., sold at legal weight (14 lbs. per bush.), 1 lb., 40¢; 10 lbs., \$3.75; 100 lbs., \$35.00.

RHODE ISLAND BENT GRASS (*Agrostis tenuis*)

This valuable lawn grass resembles "Red Top" in appearance, but has shorter leaves; it makes a fine colored, close turf, and adapts itself readily to any soil, in which respect it also resembles "Red Top."

It is much in use in the New England States, for lawns and permanent meadows and pastures; for these it is very valuable. For lawns, sow in Spring 8 to 4 bushels per acre. We offer American grown seed this year, (14 lbs. to bushel), 1 lb., \$1.00; 10 lbs., \$9.00; 100 lbs., \$75.00.

CREeping BENT GRASS

(European Mixed Bent)

The long creeping stems and spreading habit of this splendid grass make it ideal for Putting Greens; it makes a lasting turf that withstands hard usage.

The leaves are fine and it develops a dense growth, making it valuable for hotton lands and slightly sandy soil. Makes excellent hay and splendid pastures. (14 lbs. to bush.) Sow in Spring 50 lbs. to acre.
1 lb., \$1.00; 10 lbs., \$9.00; 100 lbs., \$75.00.

ENGLISH BLUE GRASS

(*Festuca pratensis*, or Meadow Fescue)

A native of Europe, it has become thoroughly naturalized here. It is very permanent and is especially valuable for permanent pastures where the soils are not too dry. In the Western Central States it has done especially well. Should be sown with other grasses, as it does not come to full bearing for two or three years. Our seed is choice American grown. Sow in the Spring 1½ bushels to the acre, (20 lbs. to bush.), 1 lb., 40¢; 10 lbs., \$3.25; 100 lbs., \$28.00.

RED TOP GRASS

(*Agrostis alba*)

This grass is especially adapted to moist soils. It is one of the most valuable grasses for pastures and meadows but it is not as nutritious as Timothy for hay. Sow in spring or fall with or without a nurse crop. One bushel of chaff or unhusked Red Top, or one-half bushel of fancy seed is enough to sow an acre. For lawn mixtures it is invaluable. Grain bags, 50¢ each, extra.

Extra Fancy re-cleaned solid seed (32 pounds per bushel), 1 lb. 30¢; 10 lbs. \$2.35; 100 lbs. \$20.00.

Natural or Unhusked (bushel, 14 lbs.), 1 lb. 18¢; 10 lbs. \$1.50; 100 lbs. \$12.00.

CRESTED DOGSTAIL

(*Cynosurus cristatus*)

Essential in all good lawn grass mixtures. It thrives in all soils, but best in rich moist land. Makes smooth, close, fine, sward and is in demand for Putting Greens.

With Kentucky Blue Grass it gives splendid results; does well in shade. For lawns it should be sown in spring with other grasses, (21 lbs. to bushel), 1 lb. 75¢; 10 lbs. \$6.50; 100 lbs. \$60.00.

Vaughan's Seed Testing Laboratory is under the supervision of an expert Seed Analyst who, with assistants in the department, makes 40,000 tests per year. WE TEST ALL OUR FANCY SEEDS FOR PURITY AND GERMINATION.

Our Lawn Mixtures are all made from
Re-cleaned Fancy Grasses. See pages 2 and 3



RED TOP

SAVE MONEY—BUY THE

Buy grass seed from a known reliable firm. Quality is at once apparent in many articles. Not so with grass seed. A trained expert is necessary to determine how clean a grass seed sample is and a laboratory is needed to make such analysis properly and also to determine how well such seed will grow. The United States Department of Agriculture and most of the States recognize that few farmers can themselves determine quality in grass seed. Analysis when in doubt as to the kind of seed they have. Vaughan's Seed Laboratories we believe to be the most complete up-to-date equipment of any seed house in America selling direct to the planter. Our analysts is a college graduate with a thorough training in the seed laboratories of the United States Department of Agriculture. We label all our lots of seed, 10 lbs. or over, with a purity and germination test. On a basis of such tests we can and do compete with any seed house in price.

MEADOW FOXTAIL

(*Alopecurus pratensis*)

A mixture for any permanent pasture should contain some of this grass, which is valuable for moist meadows and pastures, particularly the latter. It does not reach maturity for 2 or 3 years, therefore it should be sown in mixture with other grasses. Sow in Spring. Our seed weighs 7 lbs. to bush., 1 lb., 55¢; 10 lbs., \$4.50; 100 lbs., \$40.00.

TRUE PERENNIAL SWEET VERNAL

(*Anthoxanthum odoratum*)

Very early. It imparts an exceedingly pleasant odor to hay. Sow in mixture with other grasses. 1 lb., \$1.00; 10 lbs., \$9.50; 100 lbs., \$90.00.

TALL MEADOW OAT GRASS

(*Avena elatior*)

An excellent meadow grass for winter grazing, and for hay in Southern States and dry climates; should be sown with other grasses.

Sow in Spring or Fall 3 bushels per acre, (15 lbs. to bushel), 1 lb., 50¢; 10 lbs., \$4.25; 100 lbs., \$38.00.

ANNUAL SWEET VERNAL

(*Anthoxanthum odoratum* Puelli)

Sow half to one pound per acre with other grasses in the Spring. 10 lbs. to the bushel.

Price, 1 lb., 50¢; 10 lbs., \$4.50; 100 lbs., \$40.00.

CANADA BLUE GRASS

(*Poa compressa*)

A hardy grass with dense creeping root stocks. Adapted to all soils. Recommended for the Eastern and Middle States for pasture and dairy uses. Sow 3 bushels of seed to the acre in the Spring. (14 lbs. to the bushel).

Price, 1 lb., 30¢; 10 lbs., \$2.35; 100 lbs., \$20.00.

SHEEP'S FESCUE

(*Festuca ovina*)

A good grass for upland pastures and for sandy and poor soils. Is very hardy and resists extremes of weather. It grows in tufts, but its fine foliage and dense growth permit its use for lawn purposes. Sow in Spring 35 lbs. to the acre; (12 lbs. to bushel), 1 lb., 40¢; 10 lbs., \$3.65; 100 lbs., \$32.00.

VARIOUS LEAVED FESCUE

(*Festuca heterophylla*)

A perennial grass, native of Europe. Of some value agriculturally as a bottom grass in pastures. Good for both hay and pasture. For lawn purposes is quite desirable, especially for shaded places, its fine root leaves and its creeping roots making a very good turf.

Sow in Spring 40 lbs. to the acre. (Bush., 15 lbs.), 1 lb., 65¢; 10 lbs., \$5.50; 100 lbs., \$50.00.

For other Fancy Grasses see pages two and Three.

Clovers, Valuable

FANCY MEDIUM RED CLOVER

Farmers should not neglect soiling crops like clover. They should consider seriously and do at least a part of their regular seeding. We are very proud of our fancy clover; purity, color and germination are of the highest standard. We invite comparison on a basis of quality. The market on clover seed changes daily and the prices quoted here are not fixed. Write for latest prices.

Fancy Seed, 1 lb., 40¢; 10 lbs., \$3.25; bush., \$16.25; 100 lbs., \$27.00; grain bags 50¢ each, extra. Choice Grade, for less money.

MAMMOTH RED CLOVER

Should be included in all permanent grass mixtures, especially on heavy and medium soils. Flowers later than Medium Red, is harder to mow and is late to kill. Fancy Seed, 1 lb., 40¢; 10 lbs., \$3.25; bush. (about 60 lbs.), \$16.50; 100 lbs., \$27.50. Grain bags 50¢ each, extra.

BOKHARA OR SWEET CLOVER—White Blossom

On worn out or poor soils all over the country, and on good farm lands in the dry sections of states like Nebraska and S. Dak. no other soil-renewing plant can produce so good results. It withstands summer heat and the cold of northern winters. Cattle, sheep and hogs soon acquire a taste for it as a feed it ranks in value close to Alfalfa. It has the same nitrogenous value as Alfalfa. Cut before getting too large, it makes good hay. Sow in spring or fall. We offer bulled seed, scarified and tressed. 1 lb., 25¢; 10 lbs., \$2.00; 100 lbs., \$16.50. Grain bags, 50¢ each, extra.



A FIELD OF RED CLOVER AND TIMOTHY.

GRASSES and CLOVERS

**PLANT
THE BEST**

BEST GRASS SEED

Vaughan's Seed Store offers grass seeds at a price that is just based upon the quality offered. No better evidence of this truth is furnished than our selling lawn grass seed year after year in actual growing tests to parks and cemeteries in ton lots at prices much higher than department stores and others supply in single pound lots.

We purchase our seeds where we know the best is produced. Our large experience in the business—our trade which demands the best in volume—is so well known that producers all over the country save their better samples knowing we will pay the price for better goods. Our location—Chicago the greatest grass seed distributing center in the world, and New York City the greatest importing center—gives us a great advantage with regard to prices and stock.

Let us have an opportunity to quote you on a basis of latest market prices. on a quality basis. Weekly price card sent on request.

TIMOTHY (*Phleum pratense*)

One of the best grasses for hay or pasture. Withstands extremes of heat and cold.

The most popular of all hay grasses. A stand is easily secured, growth is rapid and the hay produced commands the highest market figure. An especially valuable feature of Timothy is its hardiness and its ability to withstand both heat and cold. Timothy sown alone is "hard" on the soil and should be followed with a dressing of manure. The vast majority of farmers now sow clover either Medium Red or Alsike with Timothy to replenish the soil with the nitrogen taken by the Timothy. Timothy demands good, rich, rather heavy land. Prices—Chicago's Timothy center. We have the opportunity and avail ourselves of it, to pick the cream of the crop of the country. Our samples are the best—tested for purity and germination—and prices the lowest.

✓ **Vaughan's Fancy Seed.** 99.5 pure. Lb. 18c; 10 lbs., \$1.35; 100 lbs., \$10.50.

Vaughan's Choice Seed. Lb. 16c; 10 lbs., \$1.25; 100 lbs., \$9.50. Grain bags 50c each extra.

RED OR CREEPING FESCUE

(*Festuca rubra*)

An excellent bottom grass for pastures and especially for those which are quite shaded. For lawns it is unsurpassed and should be included in all shade mixtures. Sow in spring 30 lbs. per acre; (14 lbs. to the bushel.) Seed short on account of European conditions. Lb., 45c; 10 lbs., \$4.25; 100 lbs., \$40.00.

SLENDER FESCUE OR FINE LEAVED SHEEP'S FESCUE

(*Festuca tenuifolia*)

Of principal value for lawn purposes where it does very well on dry and inferior soils as well as in shady places. Sow in spring 30 lbs. to the acre. (22 lbs. to the bushel.) Lb., 50c. Seed not obtainable this year.

HARD FESCUE

(*Festuca duriuscula*)

This grass does well in sandy pastures. Is a slender, and very tufted perennial, a dwarf form of Sheep's Fescue. A good grass for resisting drought. Of fair value as a lawn grass, but must be sown in mixture with other sorts on account of its forming tufts. Sow in spring 30 lbs. to the acre; (12 pounds to bushel.) 1 lb., 40c; 10 lbs., \$3.50; 100 lbs., \$32.00.

ORCHARD GRASS

(*Dactylis glomerata*)

A very hardy grass, invaluable for pasture mixtures. Ready to cut for hay before Timothy. Wet soils do not suit it. Not recommended for lawn mixtures as it grows in tufts and leaves bare spots. Sow in spring, 25 to 30 lbs. per acre. (14 lbs. per bushel.) 1 lb., 25c; 10 lbs., \$2.15; 100 lbs., \$17.50.

Leguminous Crops

ALSIKE OR HYBRID CLOVER

Thrives well on damp soils where it is impossible to secure a catch of Red Clover. Because the seed goes so much further than Medium Red and because of its comparatively reasonable price many farmers are sowing Alsike. Sow 5 to 6 lbs. per acre in spring.

✓ **Vaughan's Brand.** Lb. 40c; 10 lbs., \$3.85; bush. (60 lbs.), \$22.25; 100 lbs., \$36.00. Grain bags, 50c each extra.

WHITE CLOVER

Extremely valuable for permanent grass mixtures. It will stand more grazing than any other Clover. As the growth is short it has no value in a hay crop. Much used in lawns. Sow in spring, 3 to 4 lbs. per acre.

Extra Fancy Seed. Lb., 75c; 10 lbs., \$7.00; bush. (60 lbs.), \$40.00; 100 lbs., \$65.00. **Choice Seed,** clean but not as bright as the above: Lb., 70c; 10 lbs., \$6.50; bush. (60 lbs.), \$36.50; 100 lbs., \$60.00. Grain bags, 50c each extra.

CRIMSON CLOVER

Erect growing annual with long narrow and pointed flower heads. Grown extensively in the East and South for turning under to improve the soil.

Produces a hay crop of excellent feeding value but requires to be cut in full bloom to obtain the full value of the nutriment. Sow in August or September, 15 lbs. per acre. Lb., 22c; 10 lbs., \$1.65; bush. (60 lbs.), \$9.00; 100 lbs., \$14.00.

On account of high value of clovers we ship in Grain Sacks, for which there is a charge of 50c extra.

ITALIAN RYE GRASS

(*Lolium italicum*)

Like a rich, moist, loamy soil where it does remarkably well and produces good hay and pasture. Desirable for this purpose in temporary pastures. Develops very rapidly and is excellent for soiling. Valuable in lawn grass mixtures demanding immediate effect. Does particularly well in the south. Sow in spring, 60 to 70 lbs. per acre. (18 lbs. to the bushel.) Price, lb., 25c; 10 lbs., \$1.65; 100 lbs., \$14.00.

ENGLISH or PERENNIAL RYE GRASS

(*Lolium perenne*)

Does very well in this country. Good for both pastures and meadows. Moist and rich clays or loams are the soil best suited to it. The seed is heavy and very quick to start. It is a valuable lawn grass, especially where quick results are sought. Sow in spring, 60 to 70 lbs. per acre.

Extra Heavy Seed. Lb., 25c; 10 lbs., \$1.65; 100 lbs., \$14.00. **Standard Weight,** 24 lbs. to the bushel. Lb., 18c; 10 lbs., \$1.50; 100 lbs., \$12.00.

CHEWING'S FESCUE

(New Zealand Growth)

A good substitute for Red Fescue. Lb., 55c; 10 lbs., \$4.75; 100 lbs., \$45.00.

BERMUDA GRASS

(*Cynodon dactylon*)

The grass for Southern Lawns and pastures; hard to kill, resists drought; should only be planted for permanency and in the south. Sow in spring 15 lbs. to the acre. (30 lbs. to bushel.) 1 lb., 85c; 10 lbs., \$7.50.

Our Lawn Mixtures are all made from Re-cleaned Fancy Grasses.

ROUGH-STALKED MEADOW GRASS

(*Poa trivialis*)

A perennial species closely related to Kentucky Blue Grass. Does best in moist, cool locations and its principal use is as a bottom grass in permanent pastures. For lawn purposes it does well on sandy moist spots on account of its spreading roots. Sow in spring, about 15 to 20 lbs. to the acre. (14 lbs. to the bushel.) Lb., \$1.00; 10 lbs., \$9.00; 100 lbs., \$75.00.

WOOD MEADOW GRASS

(*Poa nemoralis*)

In the Northern and Middle States this is the best of all lawn grasses for deep shade. Very hardy and a perennial. Its creeping roots establish a lasting, even and deep green turf. On dry rich soils it makes good pasture and hay, but is usually too expensive to sow. Sow in spring, 30 to 35 lbs. per acre. (14 lbs. to the bushel.) Price, lb., 75c; 10 lbs., \$7.00. Write for price in quantity.

AWNLESS BROME GRASS

(*Bromus inermis*)

Successful on arid soils, very strong, thick growth, making many big crops. Cut in bloom, it nearly equals Timothy. It prevents washing on banks of streams; is hard to eradicate—fine pasture. Sow in spring, Vaughan's extra cleaned seed. 2 bushels per acre. (14 pounds to bushel.) 1 lb., 40c; 10 lbs., \$3.60; 100 lbs., \$32.00.

JOHNSON GRASS

(*Andropogon Halepensis*)

A drought resister and much used in the warmer parts of the southern states. Used for hay, it should be cut just as it comes into bloom, when it is much liked by all kinds of stock. Sow in spring 1½ bushels per acre; (25 lbs. to the bushel.) Lb., 30c; 10 lbs., \$2.50; 100 lbs., \$22.00.



RED FESCUE



IMPROVE YOUR LAND BY PLANTING CLOVER

PLANT
THE BEST

Vaughan's Alfalfa

PLANT
THE BEST

No Crop Pays So Continuously and None More Abundantly Than Alfalfa ALFALFA OR LUCERNE

Grain bags holding 150 lbs., 50c each, extra.

On the average, "The Best Paying Crop on the Farm" is the unanimous verdict of the farmers who have been successful in obtaining a stand of alfalfa. The unfailing market demand for alfalfa hay, its value for all stock, especially dairy cattle, its certainty of a fair return during the dry seasons are its great strong points. Success is not difficult. The majority of growers are agreed on the following essentials:

- I. A well-drained soil. "Wet feet" kills alfalfa.
- II. Well-prepared land—free of weeds, by constant cultivation after plowing to seeding time.
- III. Drill seed if possible or cover by dragging.
- IV. Inoculate land by one-half wagon load of soil

from old alfalfa field or from around the roots of the wild sweet clover or use nitrogen (see page 57).

V. Lime the soil before planting. Two to five tons per acre is usually beneficial on most soils.

VI. Use acclimated seed—northern grown seed if for northern localities.

VII. Sow June 1st to middle of July, alone for Central States. In spring sowing with grain, barley is the most successful nurse crop.

NEW ALFALFA, COSSACK

A variety brought to this country by Prof. Hanson of North Dakota. Said to be harder than any variety yet found. We offer a limited amount of seed so our customers may try it. Lb., \$1.50; 10 lbs., \$12.50.



ALFALFA SEED



VAUGHAN'S ALFALFA ON A DAIRY FARM IN NORTHERN ILLINOIS

NEW HARDY ALFALFA, LISCOMB (Variegated Flower)

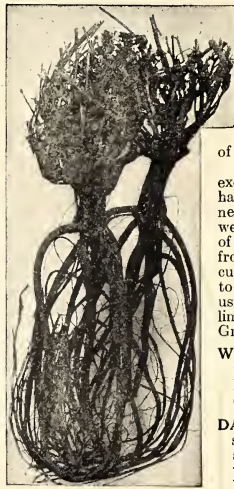
The extra hardy "Yellow Flower" Alfalfa, crossed and re-crossed with an ordinary sort, has produced "Hardy Liscomb" Alfalfa. This important development has distinct points of exceptional merit.

The hardiness of Liscomb as a drought resister is not equaled by any other variety, and its numerous lateral roots give it endurance against ground heaving, from frost, in severe winters. In the severe winter climate of Montana, the parent field from which our seed comes, still continues to produce a full crop of hay and seed (without irrigation), after 35 years of endurance. No part of it has ever been killed in any winter in all these years.

This hay has variegated blossoms and a receding crown (at times 3 to 5 inches below the surface of the soil), also a branched root system in place of a single tap root.

Lb., 60c; 10 lbs., \$5.50; bu., \$30.50; 100 lbs., \$50.00.
Grain bags, 50c each, extra.

You will find everything you want to know about raising a crop of Alfalfa in F. D. Coburn's book "Alfalfa." Price, 50c; postpaid.



LISCOMB ALFALFA PLANTS

THE "GRIMM" or EVERLASTING ALFALFA

Renowned the World Over for Its Hardiness. Grimm stands in the same high relation to the Alfalfa as Marquis Wheat does to the Wheat Crop. It is a type of Northern origin, consequently has a very wide range of adaptability and hardiness.

Endures extremes of cold and withstands excessive heat, accepting most all soils and has obtained a reputation for productiveness and hardiness all through the Northwest. The seed is identical with other types of Alfalfa. We offer genuine Grimm Seed from an inspected field in So. Dakota. Our customers for Alfalfa in the North who wish to make a beginning will make no mistake in using this. Order early as the true stock is limited. Lb., 75c; 10 lbs., \$7.00; bu., \$40.50; 100 lbs., \$65.00. Grain bags 50c each, extra.

WESTERN GROWN IDAHO SEED. This is extra fine, better than 99.5 per cent pure.

Lb., 35c; 10 lbs., \$2.85; bushel, \$16.25; 100 lbs., \$26.00. Grain bags holding about 150 lbs., 50c each, extra.

DAKOTA GROWN DRY LAND SEED. This is an extra hardy strain of strong vitality and great productiveness. It withstands cold and climatic conditions in a marked degree. In wet weather it yields no seed crop.

Lbs., 45c; 10 lbs., \$4.00; bushel, \$21.50; 100 lbs., \$35.00. Grain bags holding about 150 lbs., 50c each, extra.



ALFALFA SEED

BOKHARA or SWEET CLOVER. See page 54. Market Fluctuates. Write for latest Prices.

VAUGHAN'S NITROGEN GATHERING PLANTS

SOJA OR SOY BEANS

This valuable legume is attracting more attention each year. Soja Beans is an ideal crop for turning under to improve worn out soils. As a fodder crop it should be fed in conjunction with corn in proportion of one part Beans to five of Corn so as to reduce the excess of protein in the former. It should be cut for hay before the stems become too woody, otherwise the nutritive value of the feed will be endangered. For latitudes north of Chicago, we would advise using Northern grown seed. Seed should be sown in June at the rate of $\frac{1}{2}$ bushel per acre and in drills 30 inches apart.

Ita San. Northern grown. Peck, \$2.00; bush., \$7.50. Bags free.

Black Beauty. $\frac{1}{2}$ peck, \$1.10; peck, \$2.25; bush., \$8.00. Bags free.

Mammoth—Yellow. Southern grown seed. Use south of mid-dle Illinois. $\frac{1}{2}$ pk., 70c; peck, \$1.25; bush., \$4.00.

GIANT BEGGAR WEED

(Florida Forage Plant). An upright growing legume. A fine fodder plant which reaches immense size, also good for plowing under in light soils. For hay cut when first blooms appear. Plant 10 lbs. per acre. Pkt., 10c; $\frac{1}{4}$ lb., 20c; lb., 65c; 5 lbs., \$2.75; 10 lbs., \$5.00.

VELVET BEAN

A very heavy yielding legume belonging to the Soja and Cow Pea class. The most rapid growing of all these sorts. Very popular in the South and of late in the North for a cover crop. Sow about 1 bu. per acre, in drills.

Price, pkt., 10c; $\frac{1}{2}$ peck, 65c; peck, \$1.15; bush., \$4.25. Bags free.

COW PEAS

Great Soil Improver

The value of cow peas as a soil enricher is now well known. As fast as farmers understand the advantages of this plant as an agency through which the value of their land may be greatly increased, there will be more successful farmers and more profitable farms. It adds nitrogen to the soil at less cost than by any other method. Cow peas make excellent hay. To those in the North who have not had the best success with this plant, we would say that a warm, sandy soil will give best results. Where never grown before, drilling in and cultivating at first, as for field beans, is the best way to start.



A FIELD OF COW PEAS

Ploughed under, a great soil enricher; or cut makes fine hay.

VETCHES

WINTER VETCH. (*Vicia villosa*) Sand or Hairy Vetch. The winter cover crop. This is a hardy legume sown in the Northern States in the fall months, growing well that season and remaining green all winter. It supplies the place in the North that the less hardy crimson clover does in the South. As a winter cover crop, it prevents washing or leaching of soil and at the same time, being a nitrogen gatherer, enriches the soil. Vetch furnishes a very valuable hay or pasture. Drill for cover crop 10 to 20 lbs. per acre. For hay use 1 bushel per acre.

Price, lb., 30c; bush. (60 lbs.), \$11.00; 100 lbs., \$18.00. Grain bags, 50c each. Write for latest prices in August. We are direct importers of this seed.

SPRING VETCH OR TARES (*Vicia sativa*—Oregon Vetch). Sown broadcast at rate of 1 to $1\frac{1}{2}$ bushels to acre; like wheat or barley, and sometimes mixed with oats, for soiling. Valuable for orchards. Used in France and Canada as a substitute for peas. Culture same as field peas.

Per lb., 18c; peck, \$1.50; bush, \$5.50. Grain bags, 50c each, extra.

CANADA FIELD PEAS

A valuable crop in the northern states for soiling and for cattle feed. Sown with oats all stock eat the hay greedily and thrive upon it. With the present season's high prices for oats, farmers will find it very profitable to sow these peas along with oats for feed. Sow broadcast, 2 bushels per acre—if sown with oats, use a bushel with $1\frac{1}{2}$ bu. oats. Prices subject to market changes.

Bush., \$4.50; 2 bush., \$8.25; 10 bush., \$42.50. Bags free.

LENTILS

A leguminous annual. Succeeds best in dry, sandy soil. Splendid pigeon food and also used for soups. Sow about 60 lbs. per acre. Lb., 25c; 10 lbs., \$2.00.

SAINFŒIN OR ESPARLETTE

An excellent perennial Fodder plant growing about 3 feet high, flowering in June and July. It is adapted to light, chalky soils, being an enriching, heat-resisting Clover; does well in Southern and Western States. May be sown in drills or broadcast. Sow 25 lbs. per acre broadcast, 12 to 15 lbs. in drills.

Price, lb., 30c; 10 lbs., \$2.35; 50 lbs., \$10.50; 100 lbs., \$20.00. Grain bags, 50c each, extra.

LUPINS, YELLOW

Succeeds well on very poor soil and is exceedingly valuable for ploughing under to improve sandy soil. Subject to arrival from Europe. Lb., 30c; 10 lbs., \$2.35; 50 lbs., \$10.50; 100 lbs., \$20.00.

COW PEAS—As soil renovators and enrichers, have few equals; like other leguminous plants, besides yielding a bountiful crop, they increase the fertility of the soil by collecting nitrogen from the air and adding this expensive fertilizer to the land at a minimum of cost.

Northern Grown Cow Pea. Michigan Favorite. A true early type, so long sought. The best for Northern planting, as it ripens as far north as Central Michigan and Wisconsin.

Peck, \$1.75; bush., \$6.50. Very scarce.

Southern Black Eye. Peck, \$1.25; bush., \$4.50.

Whip-Poor-Will. Peck, \$1.15; bush., \$4.25.

New Era. Peck, \$1.15; bush., \$4.25.

Prices for All Cow Peas, 35c per quart of about 2 lbs., postpaid in first three zones.

Write for latest market price on quantity of any of the above. Burlap bags included.

NITRAGIN—Pure Culture



A legume-inoculating material manufactured under a late German (Nobbe-Hiltner) Process. We believe this the best of the many "Nitragin" Bacteria Cultures. "Nitragin Pure Culture" is put up in round tin cans in four sizes—garden, one-half acre, one acre, and five acres. Full directions for use with each can. We can offer cultures for all the different legumes, including Alfalfa, Clovers, Cow Peas, Soja Beans, Vetches, etc., etc. Price, Garden size can, 30c; $\frac{1}{2}$ acre can, 50c; 1 acre can, \$1.00; 5-acre can, \$4.00; 10-acre can, \$7.50.

Mulford Culture. A standard brand of the "Jelly" legume cultures Made by one of the oldest manufacturers in this line. We can supply all the various cultures of this brand for Alfalfa, Clover, Cow Peas, Soja Beans, Sweet Peas, etc. Sprinkle the crop with which wanted. Price, garden size, $\frac{1}{4}$ acre, 50c; 1 acre, \$1.50 postpaid; 5-acre, \$5.00 not prepaid.

See Pages 2 and 3. It pays to plant the best. V. S. S.

Market Subject to Change. Write for Catalogue Prices.

**PLANT
THE BEST**

VAUGHAN'S TESTED

OUR FARM SEEDS ARE CONTRACTED OR PURCHASED THEY ARE CLEANED, RE-CLEANED AND TESTED

Our list of grains, field and grass seeds, soiling plants and the like will be found to be made up of the standard varieties and such new things as have been thoroughly tried and proven. "Miracle grains and Million Dollar" grasses are not to be found in our catalog, at least not under those names. Due to the location of our two stores we are in constant touch with the leading markets and conditions. With our favorable freight rates, either in carlots or less, and with the best shipping facilities in the United States, we are in a position to serve our customers as is no other house.



VAUGHAN'S SORGHUM CANE
FOR SUMMER FODDER (See page 62)

VICTORY OATS

American grown seed, raised from imported Swedish stock. The best of varieties for American conditions. Put out by the Swedish Society for the improvement of seed. The result of twenty-five years of scientific seed breeding. In season it is like Swedish Select. The grain is of medium size, white, broad and nearly beardless. The straw is very stiff and firm.

Peck, 60c; bush., \$1.75;
10 bush., \$16.00; bags free.

**NOTE
IMPORTANT**
Prices include Cotton sacks holding 2½ bushels of grain.

SEED BARLEY, SELECTED, RE-CLEANED WISCONSIN PEDIGREE BARLEY (No. 5)

This Barley has won many State and National Championships as the best six-rowed variety. Prof. Moore of the Wisconsin Experiment Station developed this from the famous Oderbrucker strain after many years' breeding and testing. By many trials throughout the middle western states, Wisconsin Pedigree has proved a greater yield than all others. It is tall growing with plump grain, very stiff straw and large well filled heads. Selected on account of yield and also for malting and feeding qualities.

Price, peck, 75c; bush., \$2.25; 10 bush., \$21.00; bags free.

ODERBRUCKER BARLEY (Wisconsin No. 55) A heavy yielding and plump six-rowed variety, introduced in 1906 by the Wisconsin Agricultural Experiment Station. Particular attention has been given in recent years to breeding. A large percentage of the Barley acreage in Wisconsin is now of this grain. Compared to Mansbury, Oderbrucker has a stiffer straw, higher protein content and being a more vigorous grower is a better rust resister. Average yield of five to ten bushels more per acre than other six-row sorts was reported on a series of tests. High protein content makes Oderbrucker of exceptional value for both feeding and malting. Ours is an excellent sample, Wisconsin-grown, produced from seed secured from the Wisconsin Experiment Station.

Price, peck, 75c; bush., \$2.25; 10 bush., \$21.00; bags free.

SUCCESS OR BEARDLESS This is the earliest and hardiest of all barleys. May be sown as early as possible in the Spring without danger from frost. The straw is heavy and stands up under a heavy crop. The grain is without beards and can be handled and threshed as easily as oats. In stock-feeding it is of much more value than common barley as it may be fed without danger of injury to the animals. Yields always show some bearded plants, although our stock is exceptionally fine.

Prices, peck, 85c; bush., \$3.00; 10 bush., \$28.50; bags free.

WHITE HULLLESS This variety is strictly a feeding sort. It has a grain like that of wheat. In feeding value it is almost equal to wheat and the yield is nearly twice as large. As a dry feed it has no superior. The straw is heavy with good leaves, and when cut green makes good hay. Our seed is grown in the far Northwest and is heavy, fine; bright and very free from hulls. This variety never runs entirely true to type.

Price, peck, \$1.10; bush., \$4.00; 10 bush., \$37.50; bags free.

GRAINS FOR FALL PLANTING—Write us in the Fall or now for pedigreed—certified—Rosen Rye—Red Rock Wheat—Klondyke White Wheat grown on our own farms in Central Michigan.



**SAMPLES
OF THESE
FANCY
OATS
FREE TO
PROSPEC-
TIVE
BUYERS**

NEW WHITE KHERISON OATS

(Iowa 103)

The best variety to date on rich, heavy soils. In Iowa it is by far the most popular variety, as it produces a crop before extreme heat. It is fast superceding all other types in that state. In favorable cool seasons, on heavy soil, on account of its short straw, there is little loss from lodging. It is a white seeded selection of the Yellow Kherison, with the advantages of color and more recent selection. Extra early in season.

Price, peck, 55c; bush., \$1.65; 10 bush., \$15.00; bags free.

KHERISON OR SIXTY DAY OATS.

The most popular new Oat for rich prairie soils. A very early variety, producing large yields. It matures in July and admits of harvesting before wild oats and other noxious weeds ripen and drop their seed. The straw is short and on rich soils does not lodge as do most oats. The grain is small with a remarkably thin hull and light yellow color. Introduced by the Nebraska Experiment Station and in that state the best yielding sort. An excellent feeding oat, the only objection to it being its color, which injures its market value.

Price, peck, 55c; bush., \$1.65; 10 bush. lots, \$15.00; bags free.

The Prices Printed Above Are Subject to Change as Market Fluctuates.

PURE FARM SEEDS

**PLANT
THE BEST**

FROM THE MOST RELIABLE SOURCES. WE STRIVE TO SECURE ONLY THE BEST

Free Samples to Intending Purchasers.—Most of our seeds are grown especially for us. All are excellent samples, carefully re-cleaned and grown under our direct supervision from thoroughly reliable re-cleaned stock seeds.

Prices—The market on this class of seeds is changing constantly and prices given below represent values at the date this catalog went to press. They are made subject to market changes. When purchasing in quantity, write or wire us for our latest prices.

Quality considered, we can meet any competition.

OATS, VAUGHAN'S "SWEDISH SELECT"

Extra Heavy Re-cleaned Seed

Introduced a few years ago by the U.S. Department of Agriculture and to-day the most largely planted of all varieties in the Northern Central States. Briefly described the oat is pure white in color; the hull is thin and the kernel large and plump; straw is stiff and strong enough not to lodge. A remarkable root development makes the Swedish Oat a good drought resister—a special feature on light soils. Season medium early and the earliest of the heavy yielding sorts. Especially suited to high land.

Price, peck, 55c; bush., \$1.65; 10 bush., \$15.00; bags free.

OATS, BLACK VICTOR

The darkest of the Black Oats and a very heavy cropper. It is extremely hardy and seldom lodges. The grain is black, heavy and of high feeding value. We offer clean, heavy Northern grown seed.

Price, peck, 60c; bush., \$1.75; 10 bush., \$16.00; bags free.

WHEATS—Spring

Fancy Northern Seed

On account of high value of wheat we ship in grain sacks only, for which there is a charge of 50c each. Write for latest "quantity" prices. Sow $\frac{1}{2}$ bush. to acre.

MARQUIS. In the northwest spring wheat district Marquis Wheat is now regarded as the finest of all varieties. Introduced by Prof. Saunders of Ottawa, Canada, the result of a cross between Red Fife and acclimated Hard Red Calcutta wheat. It is earlier than Red Fife and has out-yielded all other spring wheats wherever grown. In milling quality and appearance it is in a class by itself. Marquis Wheat grades No. 1 almost every time. It won first prize for the best American wheat at all the International Shows the past three years. Wheat price changeable. Write for prices in quantity.
Price, peck, \$1.00; bush., \$3.50.

SASKATCHEWAN FIFE. A very hardy and productive red variety. Makes the famous Northwest No. 1 milling wheat. **Price, peck, \$1.00; bush. \$3.50.** Write for latest "quantity" prices.

BLUE STEM PEDIGREED. A heavy yielding variety, very popular in the Northwest. Heads are very large and well filled. Plants stool freely. Our seed is carefully selected.
Price, peck, \$1.10; bush., \$3.50. Write for latest "quantity" prices.

MACARONI OR DURUM. We have true and carefully selected stock of this now famous introduction of the U. S. Dept. of Agriculture. Best for dry districts.
Price, peck, 95c; bush., \$3.25. Write for latest "quantity" prices.

SPRING EMMER

Incorrectly called "SPELTZ"

A grain especially suited to dry lands. Being semi-hardy, it can be sown very early in the spring like oats. Emmer grows best in the dry prairie regions with hot summers, and even does well in poor or stony ground. It is a better drought and rust resister than either Oats or Barley, and it also yields considerably better. The feeding value is high. Sow $\frac{1}{2}$ bu. to acre. **Price, lb., 20c; 3 lbs., 50c; bush., (40 lbs.) \$1.90; 5 bush., \$9.00.** Bags free.

SPRING RYE

A good catch crop, as it may be sown later than most grains. Not so good a yielder as Winter Rye. Sow about $\frac{1}{2}$ bu. per acre. Crop is very short.

Price, peck, \$1.00; bush., \$3.75; 10 bush., \$35.00. Bags free.

All prices quoted represent values when catalog went to press.



VAUGHAN'S SEEDS FOR ALL ENSILAGE
ARE THE BEST

BUCKWHEAT

Write for "quantity" prices.

Sow after June 15. On worn-out soils, a plowed under buckwheat crop is a good fertilizer and improver. Sow 25 lbs. per acre.

JAPANESE. Very large grains of dark brown color.

Early and heavy yielding. Choice re-cleaned seed. (Bush. 48 lbs.) **Price, peck, 80c; bush., \$2.50; 100 lbs., \$4.50.** Grain bags, 50c each.

SILVER HULL. A very prolific and early sort.

Grain a light gray in color. A great favorite with millers on account of the white flour it produces. (Bush. 48 lbs.) Choice seed. **Price, peck, 80c; bush., \$2.50; 100 lbs., \$4.50;** Grain bags, 50c each.

MILLETS

Grain Bags, 50c each, extra

GOLDEN. Planted on good land produces a large crop of hay forage during the summer months and leaves the ground in the finest condition for wheat. There is no larger yielding forage plant. Seed is valuable for poultry. (Bush. 50 lbs.) Sow $\frac{1}{2}$ bu. to the acre. Values constantly changing. Write for prices for quantities. **Choice seed, Price, bush., \$2.50; 100 lbs., \$4.50.**

GOLDEN MILLET

HUNGARIAN MILLET. Yields heavy growth of excellent hay.

When saved for hay should be cut before the seeds become hard. Can be sown as late as July. (Bush. 48 lbs.) Sow $\frac{1}{2}$ bushel to the acre. Subject to market changes.

Price, Bush., \$3.00; 100 lbs., \$5.50.

JAPANESE MILLET. Entirely distinct. It grows 6 ft. high and yields 10 tons green fodder per acre. When cured it makes an excellent quality of hay, and is a much relished green fodder. Cure as you would a heavy crop of Clover. It may be sown from the middle of May to the 1st of July, if broadcast, at the rate of 15 lb. per acre, but it is better to sow in rows 12 to 18 inches apart, using 10 to 12 lb. per acre, and cultivate until 15 inches high, when its rapid growth will smother all weeds. Very scarce.
Price, lb., 15c; 10 lbs., \$1.00; 50 lbs., \$4.00; 100 lbs., \$7.50.

PEARL or CAT-TAIL MILLET. No other plant makes so much forage. Three successive cuttings of one crop in Georgia yielded 52,416 lbs. per acre. Stools at ground; thick foliage. Can be cut when 3 ft high. Sow 5 lbs. per acre in drills, 3 feet apart or broadcast at the rate of 25 lbs. per acre.

Price, $\frac{1}{4}$ lb., 10c; lb., 30c; 10 lbs., \$2.50; 100 lbs., \$20.00.

Subject to market changes. Write for latest quotations.

**PLANT
THE BEST**

Early Dent Seed Corn

**PLANT
THE BEST**

NORTHERN GROWN EARLY SEED CORN


Such varieties of Early Corn as we list on this page are the purest bred Northern Corn sorts to be found. They are grown in North Dakota, Wisconsin, Minnesota, Michigan, Northern Illinois, Northeastern Nebraska and Central Ohio. They begin with the very earliest Flint (Jehu) see page 62, include all the earliest Dent varieties, and end with the medium season Golden Surprise. For their respective sections they represent the heaviest yielding and purest bred types in existence.

It is now universally recognized that the so-called 90-Day or Early Corn grown in Southern localities requires twenty or more additional days to mature in the North. Farmers plant seed corn grown over fifty miles south of their latitude at a great risk of a soft crop.

The Vaughan Farms in Northern Illinois and Central Michigan are ideally situated for producing those varieties of early corn most suitable for the majority of our customers in the seed corn line, whose farms are located in Northern Illinois, South and Central Wisconsin and Michigan. We try, without regard to expense, to sell the best bred corn of the highest germination. The corn is field sorted, put in crates and then racked, each ear separately to insure even drying. In drying, artificial heat is used when moisture content demands such treatment.

MINNESOTA No. 13

This is known also as Wisconsin No. 8, and is a heavy yielding, very early Yellow Dent corn; matures in 90 days of growing weather. This variety grows to a height of 8 feet on good soil and furnishes a great amount of fodder. The ears are 8 inches long, with 16 rows of kernels and taper to tip;

 **Madison Yellow.** A well-bred, sure ripening, heavy yielding 90-95 day corn.

the kernels show a good Dent type and are of fair depth.

Although not yet as well bred as Madison Dent, it is about 10 days earlier.

Our own Michigan grown, Selected ears, bush., \$4.50; 3 bush., at \$4.25. Shelled and graded, ½ peck, 50c; peck, 90c; bush., \$3.25; 5 bush., at \$3.00.

SILVER KING—or Wisconsin No. 7

This corn, introduced some years ago by Prof. Moore of the Wisconsin experiment station, is gaining in favor with corn growers. The ears have a good cylindrical shape, are about 8 inches long and usually have 16 rows of kernels which are deep set, and just thick enough to permit rapid ripening. This is an excellent corn for central and southern Wisconsin. Our corn is grown by ourselves in Central Michigan. Price, Selected ears, bush., \$4.75; 3 bush., at \$4.50. Shelled. ½ peck, 60c; peck, \$1.00; bush., \$3.50; 5 bush., at \$3.25.

GOLDEN GLOW—Wisconsin No. 12

Is a fine product of "Minnesota No. 13," crossed with "North Star." It is very early and develops ears of good size, 8 inches in length, slightly tapering. The kernels are of medium depth, slightly rough. The cob is large enough to aid early drying, but is not too large. This is a very strong growing plant with plenty of foliage, which enhances its value for fodder. Wisconsin grown. Price, Selected ears, bush., \$4.75; 3 bush., at \$4.50; Shelled, ½ peck, 65c; peck, \$1.10; bush., \$3.75; 5 bush., at \$3.50.

PRIDE OF THE NORTH

This is the most extensively planted Yellow Dent corn in northern Illinois and Iowa. It is a standard early, and the seed which we offer is grown in eastern Nebraska. We find it even in type, and earlier in season than much of the southern "Pride." The type varies but usually has 16 rows of kernels on a cob, with tapering tip. Nebraska grown. Shelled, ½ peck, 50c; peck, 85c; bush., \$2.75; 5 bush., at \$2.50.



A Crate of Vaughan's Selected Ear Corn

MADISON YELLOW DENT

Grown by us on our Central Michigan Farm

For the vicinity of Chicago, Northwestern Indiana, Wisconsin and Michigan, this, we believe, is the best corn ever introduced. It matures in 100 to 106 days of ordinary corn growing weather, and is a magnificent yielder. The ears are a little smaller than Reid's Yellow Dent, but resemble that sort otherwise; they are 8½ inches long, and have 16 rows of deep set kernels arranged close together in even rows, but with space enough to permit perfect drying, a very essential point in northern corn. Our strain is grown on the Vaughan farms in Central Michigan and Northern Illinois, and by contract with expert growers in the same localities under our direct supervision. We have a good quantity of magnificent corn grown on our Central Michigan Farms. Germination about 100%. Selected Ears, Price, bush., \$4.50; 3 bush., at \$4.25. Shelled and graded, ½ peck, 50c; peck, 90c; bush., \$3.25; 5 bush., at \$3.00.



DAKOTA YELLOW DENT

A very early Yellow Dent corn raised in North Dakota; matures in better than 90 days; ears 7 inches long; kernels quite hard; good for late planting in central locations. The yield may be increased by planting closer than is customary with Standard Dent sorts. Dakota grown. Price, shelled, ½ peck, 65c; peck, \$1.10; bush., \$3.75.

GOLDEN SURPRISE

It is eminently well suited to be grown in localities south of a line from Cleveland, Ohio, to Peoria, Illinois. This sort is remarkable for its small cob and high shelling quality. Our seed is grown in central Ohio. Price, shelled, ½ peck, 50c; peck, 90c; bush., \$3.25; 5 bush. at \$3.00.

Flint Corns, Pop Corn, Sorghums, Sudan Grass, Kaffir. See Page 62.

Seed Corn for the whole country cannot be raised in one locality. Our seed corn is grown by the most expert growers in those localities where each variety does its best. Kinds suitable only for a short or medium corn growing season are raised for us in Northern Sections. Main crop sorts are grown for us in sections where they reach their full maturity and development. Our growers are

recognized leaders in growing their respective varieties. They know all about the latest theories of corn breeding and practice them.

We plainly state where each corn has been grown, for it must be borne in mind seed corn produces best when planted under similar climatic and soil conditions to which it was originally raised. Order seed corn early, so that you may test it for yourself.

REID'S YELLOW DENT

(Standard Type) Pedigreed Seed

The great prize-winning Show Corn brought to Illinois in 1864, from Ohio. For Southern Iowa, Central Illinois, (see Northern Grown Reid's for North Central Illinois) Central Indiana, Kansas, Missouri and Nebraska this is the most satisfactory yellow Dent Corn to grow. We do not recommend this or any other variety on this page for Wisconsin, Michigan or similar latitudes. Fifty years of careful selection has resulted in remarkable evenness in appearance of ears. It is most accurately described as follows: Ear 9 to 10 inches long, 7 inches; around, 18 to 24 rows with narrow space between them; deep grains with small cob, well filled at butt and tip. Matures in about 115 days in Central Illinois. We offer a very choice selection of seed from pedigree stock selected for years, grown in Illinois by one of the best corn breeders in the United States.

Selected Ears, bush., \$4.50; 3 bush., at \$4.25.

Shelled and Graded, ½ peck, 60c; peck, \$1.00; bush., \$3.50; 5 bush. at \$3.25.

REID'S YELLOW DENT

Northern Grown

Ten days earlier than the Standard Type

This is the highest standard Yellow Dent Corn grown in North Central Illinois. The true type of "Reid's" is at home in the Central Illinois Corn Belt, and is unexcelled. We have never dared sell the regular full sized type of "Reid's" north of Kankakee and La Salle Counties. This strain of "Reid's" differs from the standard type only in running slightly smaller and with larger cobs. Can be used in Cook County and westward and is the finest, highest grade yellow Corn which can be safely planted this far north. A very fine variety for ensilage planted north of this section.

Selected ears, bush., \$4.00.

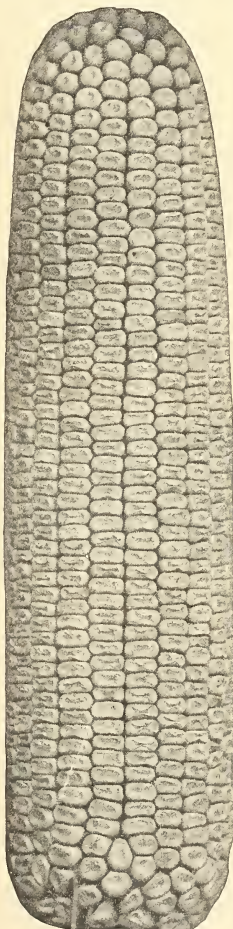
Shelled, ½ peck, 50c; peck, 90c; bush., \$3.25; 5 bush. at \$3.00.

LEAMING IMPROVED

Probably planted over a greater area of country than any other sort on account of its great adaptability to various soil and other influences. Ripens in 100 to 110 days under favorable conditions in central corn belts. The ear is tapering, length 10 inches; circumference, 7 inches; wedge-shaped yellow kernels smooth and firm on the cob; 18 to 20 rows, with medium space between; well filled and rounded tips and butts; cob red, of medium size. Used a great deal for ensilage in New York and New England. Our seed is grown from prize stock in the central corn belt. The stalks are very leafy, so that it is one of the best fodder varieties.

Nebraska Grown—Shelled, ½ peck, 50c; peck, 85c; bush., \$2.75; 5 bush. at \$2.50.

Hastings-on-Hudson, N. Y.
Allow me to thank you for the "Vaughan New York" tomato seed. If these come anywhere near approaching in size and beauty those I raised last year I will indeed be gratified. The fruit is large, smooth and luscious. I shall soon put in my new seed and shall confidently await results. Cordially yours, A. O. VAN NESS.



REID'S YELLOW DENT

BOONE COUNTY WHITE

The best type of the White Dent for the Central Corn Belt States, such as Champaign, Decatur, Central Illinois and Central Iowa sections. This corn has been bred for large ears and matures rather slowly requiring about 120 days good corn weather. The ear tapers slightly, length 10 inches, circumference 7½ inches, 16 to 22 rows, medium space between, cob white, medium size. This variety is also known as Johnson County White in Indiana, and is the great white show corn—having won more prizes than any other white corn. It also holds most of the high yields per acre records. Our Central Illinois grower, who raises this corn for us, has won many prizes. Pedigreed corn bred by ear to the row method.

Selected ears, bush., \$4.50; 3 bush., at \$4.25.

Shelled and Graded, ½ peck, 60c; peck, \$1.00; bush., \$3.50; 5 bush. lots at \$3.25.

IOWA SILVER MINE

One of the very best yielding White Dent Corns. Matures in North Central Illinois and in Iowa as far north as Dubuque. Creamy white in color, cylindrical shape, tapering only a little at the tip, 18 to 20 rows; length 9 inches, circumference, 7¼ inches, kernels rough and deep, little space between rows; cob small and white. A fine shelling and high yielding variety. In good corn weather ripens in 110 days. Our seed is grown by one of the most famous Iowa breeders.

Central Iowa Grown—Shelled and graded, ½ peck, 50c; peck, 85c; bush., \$2.75; 5 bush. at \$2.50.

GOLD MINE

A Yellow Dent similar in its general characteristics to the Silver Mine. Ears average about half an inch shorter than Silver Mine and two rows less. The kernels are rough and deep. Cob small. In certain sections of North Central Illinois and Iowa as far north as Cedar Rapids, parts of Kansas and Nebraska—a standard sort. This variety has not been as carefully bred as some sorts; however, it has good points. Our seed is carefully selected, grown by a noted breeder specialist on this.

Nebraska Grown—Shelled, ½ peck, 50c; peck, 85c; bush., \$2.75; 5 bush. at \$2.50.

HICKORY KING

Fine for the Southern States. Has been bred for small cobs and large kernels. Northern Missouri Seed.

Shelled, ½ peck, 60c; peck, \$1.00; bush., \$3.50; 5 bush. at \$3.25.

Our Seed Testing Laboratory is under the supervision of an expert Seed Analyst who, with assistants in the department, makes 40,000 tests per year. We test all our farm seeds for purity and germination. Our vegetable and flower seeds are tested for germination and later trials are made in our trial grounds, and inspection trips taken to the various parts of the United States where the crops are growing to produce our seed for next year. We have the best. We are always glad to give all the information we can regarding the seed we sell. Write us. We like suggestions, too, for the continuing improvement of our service.
LEONARD H. VAUGHAN, Vice-President.

Flint, Fodder, Pop Corn, Sorghums, Etc.

EXTRA EARLY FLINT CORNS

Flint Corns are grown in the colder sections of the corn belt as they are earlier than the dent type. In the central belts they are used for late sowing, as they mature a crop when it is much too late to plant dent sorts. Equally as good as dent corns for silage purposes.

LONGFELLOW FLINT. A beautiful cob of rich, glossy yellow, and very long—10 to 15 inches. The stalks grow to the height of 7 to 7½ feet, and the ears are borne about 3 feet from the ground. This is a favorite with chicken raisers in the middle corn belt. Shelled, ½ peck, 50c; peck, 90c; bush., \$3.25.

GIANT LONG FLINT. A tawny, smoky white sort, one of the best for ensilage and fodder because of its suckering habit and breadth of blade. The ears are 12 to 15 inches long, which is an unusual characteristic of this variety; and they are smooth and symmetrical. Stalks bear two to three ears. Shelled, ½ peck, 50c; peck, 90c; bush., \$3.25.

KING PHILLIP. This is an extra early Red Flint sort. The ears are ten inches long and eight-rowed. On poor land it does much better in yield than most other sorts. One of the very earliest field corns. Shelled, ½ peck, 50c; peck, 90c; bush., \$3.25.

WILL'S JEHU. Also known as North Dakota Yellow Flint. This is, perhaps, the earliest yellow flint corn that is valuable. The plant's average height is 5 feet, and the ears, which are 8 inches long, grow close to the ground. Dakota seed. Shelled, ½ peck, 70c; peck, \$1.25; bush., \$4.00.

SMUT NOSE FLINT. The great favorite in Michigan. It is a yellow flint blazed with red at each end of ear. The ears are ten inches long and large around, very vigorous in growth, producing a good amount of fodder. ½ peck, 50c; peck, 90c; bush., \$3.25.



BLACK BEAUTY
Pop Corn

FODDER CORN

The recent vast increase in planting corn for fodder has been mostly due to substitution of this crop when tootale for other things. Results have clearly shown that fodder is a paying, necessary crop, especially in dairying. All the different types of corn are planted for fodder, practices varying in different localities. In Canada and New England a flint variety like Longfellow is most in use; farther south the Early Dents. In the central belt Southern grown ensilage corns are planted. Sweet corn is used in most dairying regions.

RED COB ENSILAGE or FODDER. This selection has a great reputation. Has a deep red cob, strong leafy stalks and short joints. Southern Grown. Peck, 70c; bush., \$2.25.

VIRGINIA MAMMOTH WHITE HORSE TOOTH. Small stalk, vast quantity foliage, short joints, kernels large and white. Peck, 75; bush., \$2.50.

SWEET FODDER. A great dairy feed. Nothing better for summer and fall green feed, or curing for winter, than sweet corn. Peck, \$1.10; bush., \$4.00.

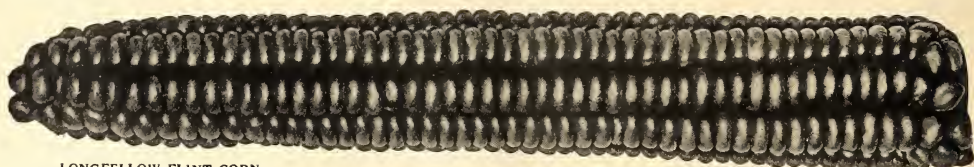
POP CORN

BLACK BEAUTY (New). An extra early variety which pops very large and is the most tender and crisp of all. Although the kernels are black it pops a pearly white. Extremely early, ripening so it may be popped the same year as grown, without kiln drying. Pkt., 10c; 1b., 25c; 5 lbs., 95c; 10 lbs., \$1.60; 100 lbs., \$12.00.

JAPANESE DWARF RICE. Very tender and almost hullless. Ears short and chunky. Heavy yielder. We regard this as the coming commercial variety. Crop very short. Pkt. 10c; 1b. 25c; 10 lbs., \$1.60; 100 lbs., \$12.00.

Price of any of the following kinds of Pop Corn, Pkt., 5c; 1b., 20c; 5 lbs., 85c; 10 lbs., \$1.50; 50 lbs., \$2.75; 100 lbs., \$10.00. Fine sort for home use.

WHITE RICE. Most popular, grain pointed, pops white, and full. **MAPLEDALE PROLIFIC.** A great yielder, it pops pure white. **QUEEN'S GOLDEN.** It pops perfectly white and a single kernel will expand nearly one inch.



LONGFELLOW FLINT CORN

Market fluctuates. Write for latest prices.

SORGHUMS, KAFFIR, MILO, CANE, BROOM CORN

Prices quoted include cost of bag.

VAUGHAN'S EARLY AMBER CANE. The value of Sugar Cane as a green fodder crop is appreciated by the dairy farmer. Even fodder corn does not produce so rich and rank a growth of good feed for so little money as Sugar Cane. A great quantity of feed may be had from a half acre with a small investment for seed. Sow 60 pounds to the acre.

Northern Seed, pkt. 5c; 1b. 15c; 10 lbs. 90c; 50 lbs. \$3.75; 100 lbs. \$7.00.

Southern Seed (for fodder) 10 lbs. 70c; 50 lbs. \$2.85; 100 lbs. \$5.25; bags free.

FETERITA. Earliest of the drought resisting sorghums. Outyielded all other sorghums during the past dry season in Kansas. Worthy of a trial in Northern sections. Price, 1b. 15c; 10 lbs. 70c; 50 lbs. \$2.85; 100 lbs. \$5.25.

JERUSALEM CORN. The best and surest grain crop for dry countries and seasons; 3 feet high. Makes one large head on main shoot and several small heads on side shoots. Sow 3 to 5 lbs. per acre. Pkt. 5c; 1b. 15c; 10 lbs. 90c; 50 lbs. \$3.25; 100 lbs. \$6.25.

KAFFIR CORN. One of the best forage plants. Preferred by some to Cane. Grows four to five feet high. For fodder sow 40 lbs. per acre broad-cast. Pkt. 5c; 1b. 15c; 10 lbs. 70c; 50 lbs. \$2.85; 100 lbs. \$5.25.

MILO MAIZE. Yellow variety of sorghum, non-saccharine, stalks 8 to 10 feet high. It stands dry weather and makes its crop where corn would fail. Plant in 3-foot rows and cultivate as corn, 3 to 5 lbs. per acre. 1b. 15c; 10 lbs. 70c; 50 lbs. \$2.85; 100 lbs. \$5.25.



FETERITA

IMPROVED EVERGREEN BROOM CORN. The most popular variety in the Western corn-growing localities. Brush of good length and handsome appearance and shows almost no red color. Sow 15 lbs. to the acre.

Western Grown, Price, 1b., 15c; 5 lbs., 50c; 10 lbs., 90c; 50 lbs., \$3.75; 100 lbs., \$7.00.

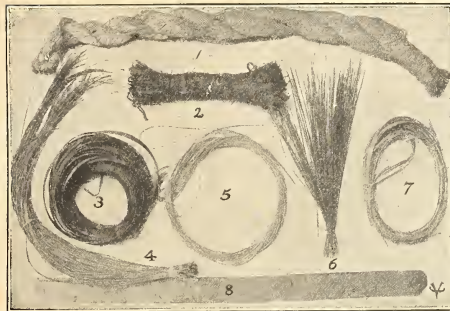
Illinois Grown, 1b., 22c; 5 lbs., \$1.50; 100 lbs., \$12.00.

OKLAHOMA DWARF BROOM CORN. An extra early sort. Height 5 ft. Price, 1b., 20c; 10 lbs., \$1.25; 100 lbs., \$10.00.

SUDAN GRASS. Closely related to the cultivated sorghums; of value particularly in the dry Middle West as a drought resisting hay crop. In the Eastern and Central Northern sections should be tried as a substitute for millet, as the crop is larger and has better feeding value. Care should be exercised as with cane and other sorghums in turning cattle on to second growth.

Culture of Sudan Grass.—Sudan grass may be sown either drilled or broadcast. If planted in rows, the rows should be as close as possible and yet permit of easy cultivation. In 30-inch rows, 3 to 4 pounds of seed per acre is ample, and under conditions of low rainfall this method is recommended. Under irrigation, 18-inch rows are preferable, and 4 to 6 pounds of seed per acre is sufficient.

For broadcasting, 20 pounds of seed per acre should be used. The seed should not be sown until the ground is warm, that is, about the time for planting corn. The young plants will withstand slight frost without injury.



MATERIALS FOR BASKET MAKING

- 1—Raffia Braid; 2—Raffia Colored; 3—Indian Split; 4—Sweet Grass;
5—Round Reed; 6—Pine Needles; 7—Flat Reed; 8—Wood Ribbon.

On all following Basketry materials add postage to your order if to go by parcel post.

RAFFIA FIBRE FOR BASKETS, ETC.

Raffia is the name given to a long-leaved palm found on the Island of Madagascar. The outer skin of the leaves is stripped off by the natives and tied in long hanks or braids, after which it is packed in bales ready for shipment. As a weaving material it is ideal, combining, as it does, softness and flexibility with great strength. The strands average three feet in length; this gives it a decided advantage over splints and grasses.

The Raffia which we import is the finest grade to be obtained on the island, and should not be compared with the cheaper coarse material offered by many and used principally as tying material in gardens and nurseries. Besides the natural shade, we have it in 12 different colors, dark red, Irish green, olive green, pea green, navy blue, seal brown, orange, black, old gold, pink, purple, bright red, a sample of which will be mailed you upon request.

Colored, bunch (about 1 oz.)	.....\$0.10	Mixed Colored, bunch (1½ ozs.)	.....\$0.10
Colored, per lb.	.....1.15	Mixed, per lb.	.....1.00
Natural Color, Best Grade	.....1.15	Col. bunch, 10c; 1 lb.	.....7.00
Needles, for Raffia Work	.....	per package	......25

REEDS (RATTAN)

Since the recent awakening to the importance of basketry, Rattan has been brought into marked prominence. Like Raffia, it is also a palm, growing to an astonishing height, and found mainly in China and the Philippine Islands. Nos. 1 to 7 are the common sizes, 6 and 7 being used for the coarser work.

Sample card mailed upon request.

	Bunch	$\frac{1}{2}$ Lb.	Lb.		Bunch	$\frac{1}{2}$ Lb.	Lb.
No. 1...	\$.15	\$.070	\$1.35	No. 5...	\$.15	\$.55	\$1.00
No. 2...	.15	.65	1.25	No. 6...	.15	.55	1.00
No. 3...	.15	.63	1.15	No. 7...	.15	.50	.90
No. 4...	.15	.60	1.10				

By parcels post, postage extra.

FLAT REEDS

Size, ¾ inch.....Bunch, 15c; ½ lb., 55c; 1 lb., \$1.00

INDIAN SWEET GRASS

Sweet Grass is an excellent basket-weaving material and may be combined with Raffia with charming effects. It possesses a delightful fragrance.
Oz., 15c; ½ lb., \$1.05; 1 lb., \$2.00.

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Thank you for your care and promptness in filling my order for bulbs and plants received in fine condition. We have ordered seeds and plants of your house for over twenty years and have yet to find any fault.

P. F. COMSTOCK, Mankato, Minn.

Annuals, the flowers we love

By SHERMAN H. DUFFY

FROM the time of our great grand parents, indeed from the earliest gardens of which we have records, annual flowers—so called because their cycle of life is of one season—have been the most popular, in some ways the most beautiful, and the most generally satisfactory.

In these days of transient residence, of merely year long leaseholds, no one need be without a garden, even if he moves every Mayday, for the annuals are ready to decorate whatever place he may select for a home.

Old-fashioned annuals, which for years had led a neglected existence in old garden corners, are now proud inhabitants of the greenhouse, the Pot Marigold and Snapdragon vying with rose and carnation under glass for market sale and popularity.

Annuals furnish the best and cheapest flower garden. One may have a fine garden for a dollar, providing himself with color, tropical foliage effects and as many flowers as he wishes to cut for his home for that sum, plus a little loving care.

Flowers for rich soil, for poor soil, for wet soil, for dry soil, for every situation—flowers of every color, size and shape, large and small may be found among the annuals. A wonderful variety, and they may be had in bloom by midsummer with only a fair start.

Nursing the Baby Plants

SELECTING the seed is merely a question of picking out favorites. Then comes the sowing. Right here is where the first mistake is too often made, and there is frequently great waste. Many annuals may be sown in the house or hot bed as early as February to secure the best development and the greatest results or to get a longer season of bloom. March is the ideal month for an early start.

Prepare the soil carefully, pulverize it, sift it and see that it is good rich soil. Dump any old soil is dumped into a box, "just to get them started."

Sow the seed thinly. Too many plants are smothered by being planted as "thick as the hair on a dog." If the seeds are very fine and difficult to distribute, mix them with twice their bulk of fine sand and then strew them over the surface of the seed bed or box and merely press them into the soil. Sow in rows except for very fine seed and give at least half an inch of space between the rows.

Cover each seed three times its thickness. It is easier to plant too lightly than too deeply in ordinary seed sowing.

Give the seed box or bed ample drainage, and until the plants have taken firm hold and developed at least two pairs of true leaves following the tiny seed leaves, it is wise to water by dipping the box into another vessel and letting the water soak from the bottom up. Thousands of tiny plants are washed to their death by careless splashing of water.

Transplanting Seedlings

PREPARE the soil for the outdoor seed bed as carefully as for the box in the house or the hotbed. Cover or have a cover ready in case heavy rains threaten, so the tiny seedlings will not be beaten into the earth. BURLAP, old sheeting, or even a paper-covered frame will serve this purpose and shade from too hot sun.

As soon as the seedlings have two pairs of true leaves is a good time to transplant the first time. Give them plenty of room to develop. Firm the soil

with a brick or board when the seed is planted, and firm the transplanted seedlings with the fingers. If the seedlings are thick, it is a good plan to let the soil become a little dry. If a wet mass, the tiny roots are more apt to be broken. If the soil crumbles easily a more complete root system can be moved and watered at once in their new earth, they will take hold quickly. This is particularly true of the larger plants, such as sweet peas, zinnias, or castor beans. Study the needs of the plant; the seed packet always carries directions. Do not plant a shade-loving plant in hot sun or vice versa. Give them the proper distance apart when moved to permanent quarters. Thousands of asters are spoiled because they are set as close together as six inches when a foot should be the minimum and eighteen inches even better with the more vigorous varieties.

Use plenty of manure in the soil. Have it spaded in the fall, if possible, and another dressing forked in in the spring. Give bone meal and commercial fertilizer from time to time if the best results are desired and give water when the weather is hot. It is better to water the nozzle of the hose and let the water soak in, than to sprinkle the tops.



The Seed Box in a Window

Annuals For Cutting

- | | |
|---------------------|---------------------------|
| 1. Asters | 7. Cosmos |
| 2. Snapdragons | 8. Gaillardias |
| 3. Marigolds | 9. Nasturtiums |
| 4. Bachelor Buttons | 10. Sweet Peas |
| 5. Annual | 11. Scabiosa Sweet Sultan |
| 6. Annual Larkspurs | 12. Zinnias |

This list has been selected because of the long stems and keeping quality of the flowers. It is by no means complete, but merely suggestive.

Annuals For Showy Beds

- | | |
|------------------|---------------------|
| 1. Asters | 8. California Poppy |
| 2. Snapdragons | 9. Shirley Poppies |
| 3. Ageratums | 9. Stocks |
| 4. Pinks | 10. Pansies |
| 5. Salvia | 11. Phlox |
| 6. African Daisy | 12. Zinnias |

Annuals For Tall Groups Three Feet or Over

- | | |
|---------------------|----------------------|
| 1. Amaranthus | 5. Cosmos |
| 2. Giant Snapdragon | 6. Annual Sunflowers |
| 3. Cleome | 7. African Marigolds |
| 4. Plummy Cockscomb | 8. Colossal Zinnia |

Annuals For Edging

- | | |
|------------------|-----------------|
| 1. Sweet Alyssum | 5. Dwarf French |
| 2. Dwarf Lobelia | 6. Marigolds |
| 3. Candytuft | 7. Portulaca |
| 4. Golden Fexfew | 8. Phlox |

Annuals For Fragrance

- | | |
|----------------------|------------------|
| 1. Sweet Alyssum | 5. Petunias |
| 2. Ten Weeks | 6. Verbena |
| 3. Stocks | 7. Wallflower |
| 4. Nicotiana Affinis | 8. Night-tropics |
| 5. Mignonette | 9. Sweet Peas |

Annuals For Colored or Tropical Foliage

- | | |
|-------------------------|-------------------------|
| 1. Castor Beans | 4. Nicotiana Sylvestris |
| 2. Kochia | 5. Amaranthus |
| 3. Snow-on-the-mountain | 6. Zea Japanese Corn |

Some annuals, such as the Poppies, cannot be transplanted. Sow them thinly where they are to remain and thin out the plants. For, tulaca or Rose Moss will not germinate until it is warm, so it is useless to sow it indoors.

For Color Combinations

IN combining colors in beds and borders, so much may be done to make annuals more effective. A combination of lavender and rose Mourning Brides is effective and the same colors in Annual Larkspurs, the lustrous carmine and some shades approaching lavender give a fine effect. The tall African Marigolds with a border of the velvet mahogany and orange dwarf French varieties makes a striking planting. Pink and lavender China Asters or a mingling of the dark purples and lavenders produce beautiful effects, particularly if relieved with a few white varieties.

Four O'clocks are ideal for a low hedge along a walk. Balsams make a gorgeous hedge if pinched out and made to branch out when covered with their camellia flowers, many of which are spotted in beautiful manner. Castor Beans with a border of the stately Nicotiana sylvestris furnish beautiful tropical group. The unique spider flower, Cleome Pungens, is used with fine effect in the Chicago parks, planted in groups among shrubs.

The best bright scarlet annual is the Salvia. The Zinnia is its closest rival in glowing color and also furnishes shades of burnt orange and peculiar yellow not found in any other annual. The colossal strain of Zinnias furnishes a gorgeous pageant of color from midsummer until hard frosts.

Heliotrope may be readily raised from seed as an annual for outdoor beds and with Ageratums is a favorite subject for mass planting and carpet beds. A border of Sweet Alyssum and Dwarf Ageratums is always beautiful and the shining blue Lobelias of the dwarf strain associated with Alyssum make a fine effect.

In general, the yellows, oranges and scarlets blend well and the paler yellows harmonize with the blues. Blues, lavenders and pinks make a combination which is never jarring.

Helping Out Perennials

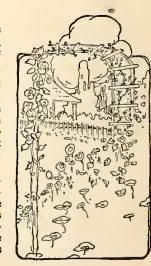
PERENNIAL borders must be assisted with annuals to fill in blank spaces when the perennials have passed their season of bloom. Annuals may be made ready in boxes to be transplanted into tulip beds after the glory of the bulbs is departed. Asters are excellent subjects for this purpose.

Many of the annuals need successional planting to keep them in full beauty. The handsome Imperial Sweet Sultans, which of late have become such a popular subject for cutting, have a short season of bloom compared with other annuals and need a succession of plantings.

One general rule must be followed to secure a maximum bloom—keep withered flowers picked. The life of the annual is finished when it produces such a profusion of seed pods, picked before they have an opportunity to fill out, the blooming season is often doubled. This is particularly true of pansies and sweet peas.


Do not stop cultivation when the annuals attain their growth. Keep them free of weeds, stir the soil occasionally, and give plenty of water with occasional fertilizer when the hot months come on and cause them to droop if they do not receive these kindly attentions.

It is care in these details that gives prize-winning blooms. One man may grow asters twice as large as another, due only to care and culture when it is most needed.



Vaughan's Flower Seeds

The following pages contain our list of **Annual Flower Seeds**. Perennial Flower Seeds will be found on pages 98 to 102, inclusive.

 The FOLLOWING SIGNS have been employed in these pages to distinguish the class to which the varieties so prefixed belong:

⊙ **Annuals.** These attain full growth from seed, flower and die first year.

⊙ **Biennials.** These grow from seed the first year, bloom and die the next, though some varieties bloom the first year, if sown early.

⌞ **Greenhouse Plants.** Start inside and cultivate in pots, or else, transplant outside when danger of frost is over.

🏠 **Stove Plants.** To be grown inside all the year round for pots only.

🌿 **Climbing Plants.**

- 55 **ABRONIA Umbellata Grandiflora (Sand Verbena)** ⊙ 6 in. A charming trailing succulent plant, with Verbena-like heads of fragrant flowers, of bright rose with white center; it delights in a dry poor soil and sunny situations on rockwork. Pkt. \$0 10
- 58 **ABRUS Precatorius (Crab's Eye Vine or Weather Pkt. Plant)** ⌞ \$ 12 ft. This beautiful plant has created a great sensation. If the leaves stand upward the sky will be cloudless; if they stand out straight, changeable weather is indicated; when the leaves hang straight downward, water may be expected to fall in torrents. A local storm is indicated by the curling together of the leaves. Bears clusters of bright yellow flowers, followed by pods with brilliant red seeds used for making beads, etc. Seeds should be soaked in lukewarm water before planting. oz. 75c \$0 10
- 62 **ABUTILON, Royal Prize (Flowering Maple)** ⌞ 3 to 4 ft. As indispensable for the window or greenhouse as the Petunia is for the flower garden. Grows rapidly from seed, and is soon in bloom. Leaves very ornamental and often beautifully variegated. Lovely bell-shaped flowers, borne the year round and in all colors. 15
- 92 **ACROCLINIUM Roseum** ⊙ 2 ft. A pretty Everlasting, bearing graceful daisy-like flowers, pretty bright rose with yellow center, which, when cut in the bud state, can be dried and used for winter bouquets. 1/4-oz. 20c 05
- 93 **Roseum Flore Albo.** Graceful white daisy-like flowers with yellow center. 1/4-oz. 20c 05
- 94 **Roseum Flore Pleno.** Double pink. 10
- 95 **Roseum Flore Albo Pleno.** Double white. 10
- 96 **Roseum Single Mixed.** 05
- 97 **Roseum Double Mixed.** 10
- 110 **AGAPANTHUS Umbellatus.** ⌞ 1 ft. Bright blue flowers produced in clusters on long stems. Water freely. 15

Ageratum ⊙

One of the best summer blooming plants grown from seed. They are rapid growers early and constant bloomers. During the hot dry summer months their bright flowers are produced in the greatest profusion. Set the dwarf sorts 10 inches apart and they soon make a mass of charming color.

- 112 **Mexicanum Coeruleum** 18 in. Beautiful soft lavender-blue, of free branching habit. 1/4 oz. 10c 05
- 113 **—Album.** White. 1/4 oz. 10c 05
- 114 **—Mixed.** 1/4 oz. 10c 05
- 115 **—Nanum, Blue Perfection** 9 in. The darkest Ageratum grown from seed. 10
- 116 **—Nanum Luteum.** 9 in. Dwarf yellow. 10



AGERATUM—Blue Perfection



AGERATUM—Continued.

- 117 **—Imperial Dwarf Blue.** 6 in. A charming variety, of fine compact growth, covered with heads of feathery flowers of a deep lavender color. 1/2 oz. 15c \$0 05 Pkt.
- 118 **—Imperial Dwarf White.** 10
- 119 **—Little Blue Star.** 4 to 5 in. Flowers open light blue with purple center and develop to a bright blue self. 15
- 128 **—Princess Victoria Louise.** 6 in. Bushy plants covered with sky blue flowers with white centers. 1/4 oz. 20c. 10
- 129 **Lasseauxi.** 3 ft. Clusters of handsome rose colored flowers. 10
- 135 **AGROSTEMMA Coeli (Rose of Heaven)** ⊙ 1 ft. Remarkably pretty hardy annual of light graceful habit; flowers light rose, shaded white. This is an annual which should be sown in the vegetable garden (as you would radishes), at different intervals, and a continuous supply of lovely cut flowers can be had all summer. 1/2 oz. 25c 10
- 136 **AGROSTIS Nebulosa (Cloud Grass)** ⊙ 1 1/2 ft. An airy and graceful annual grass, looks like a line of mist when in bloom. Beautiful to mix with cut flowers. 10
- 150 **ALONSOA Warszewiczii** ⊙ 15 in. A fine plant with bright vermilion-scarlet flowers, suitable for bedding. For a red, white and blue border plant Alonsoa for red, Sweet Alyssum for white and Ageratum Blue Perfection for blue. 1/2 oz. 15c 10

Alyssum ⊙

- 159 **Benthami Maritimum (Sweet Alyssum)** This is one of the finest annuals we have for edging and is beloved by many on account of its modest blossoms. It is pleasantly fragrant. It begins to bloom early in the season, and continues until frost. Mix the seed with sand before sowing to prevent sowing too thickly. 1 lb. \$2.25; 1/4 lb. 60c; 2 oz. 40c; 1 oz. 25c; 1/2 oz. 15c. 05
- 160 **Vaughan's Little Gem, Snow-white Carpet Plant.** The plants, which are only a few inches high, grow so dense and are so completely covered with snow-white blossoms, they create the impression of a beautiful snow white carpet. Our strain of this is unquestionably the best in the world, one plant like another, absolutely perfect. 1 oz. 80c; 1/2 oz. 40c; 1/4 oz. 25c. 10
- 161 **Alyssum Compactum Lilacinum, Lilac Carpet Plant.** Distinct variety with delicate lavender flowers. Very dwarf. 10



ANTIRRHINUM (Snapdragon)

Amaranthus

Brilliantly foliaged annuals, some of the varieties bearing curious racemes of flowers. All are useful in borders of tall plants, among shrubs, or for the centers of large beds. Do not grow them too closely together, but give them sufficient room to develop their full beauty. When flowering in small pots under glass they are very charming.

- | | | |
|-----|---|----------------|
| 170 | Atro-purpureus 4 ft. Beautiful dark purple flowers | Pkt. \$0 05 |
| 171 | Caudatus (Lovelies bleeding) 3 ft. Drooping red spikes.. | 10 |
| 172 | Cruentus (Prince's Feather) 3 ft. Dark red feathery flowers | 1/4 oz. 25c 10 |
| 173 | Salicifolius (Fountain Plant) 3 ft. Willow-leaved. Graceful red and yellow foliage of drooping habit | 10 |
| 175 | Tricolor (Joseph's Coat) 2 1/2 ft. The inner foliage is of blackest bronze, tipped with green, while the outer foliage is bright scarlet and gold | 1/4 oz. 15c 05 |
| 176 | Tricolor Splendens . Flowers exceedingly bright. | 1/4 oz. 25c 10 |
| 180 | Fine Mixed . Many others. | 1 oz. 25c 05 |
| 181 | Vaughan's Special Mixture . A well balanced mixture of the above and others. | 1/4 oz. 25c 10 |
| 194 | AMMOBIUM Alatum Grandiflorum 2 1/2 ft. This pretty white Everlasting should be in every garden. Grows also in sandy soil. | 1/2 oz. 25c 10 |
| 200 | ANAGALLIS Grandiflora Mixed 6 in. Lovely dwarf plants, exceedingly effective as edgings, also charming on rockwork and in pots. | 1/4 oz. 25c 10 |
| 201 | ANCHUSA Capensis (Summer Forget-me-not). 1 ft. A beautiful border plant producing branched heads of flowers resembling large Forget-me-nots, deep sky-blue with white eye. If sown in April will be in bloom by July | 10 |
| 240 | ANTICIGON Leptopus (Mexican Mountain Rose) Handsome summer-blooming greenhouse climber, requiring abundance of light. In the South it blooms freely in the open. Flowers beautiful rose-pink | 10 |

In the case of very hard-shelled seeds it will be found a good plan to steep them in tepid water for some hours, previous to sowing, as this will hasten their germination.

Antirrhinum (Snapdragon)

For gorgeous coloring few flowers can match Snapdragons. The flowers of this new strain are of very large size, are very fragrant and are produced on immense long spikes, which render them extremely well adapted for cut-flowers. They are easily raised from seed in any rich sunny bed. If intended for winter flowering inside, cut back in September.

Tall Giant Flowering 24 to 36 inches

- | | | | |
|-----|---|-----|--|
| 241 | Queen Victoria . White shaded cream, with lemon-colored lip. | 246 | Apple Blossom . A charming pink shade on a white ground, with a white throat. |
| 242 | Golden King . Yellow. | 247 | Coral Red . Dark rose. |
| 243 | Lovely . Delicate rose with pink lip. | 248 | Delila . Carmine and yellow with white throat. |
| 244 | Delicata . Delicate rose, with white throat. | 249 | Brilliant Scarlet . |
| 245 | Rose Queen . Brilliant rose pink. | 250 | Butterfly . Striped. |
| | | 252 | Maximum , Purple King , Garnet . |
- Any of above Pkt., 10c; any 3 for 25c; each 1/4 oz., 25c.
- 254 **Majus Grandiflorum Mixed**..... 1/4 oz., 20c; pkt., 10c

Semi-Tall Sorts 18 to 20 inches

Are particularly good for bedding, as they require no staking. The flowers are most wonderful, in many new shades and tints.

- | | | | |
|------|--|------|--|
| 255 | Amber Queen . Canary yellow overlaid chamois pink, gold lip. | 262 | Grenadier . Vivid orange white throat, yellow lip. |
| 256 | Bonfire . Orange or flame color. It has the tints of firelight. | 263 | Canary Bird . A beautiful shade of light lemon yellow. |
| 257 | Black Prince . Dark crimson. | 264 | Queen of the North . Regular bushes covered with large white flowers. |
| 258 | Aurora . Cinnabar scarlet with white throat. | 264a | Mauve Queen . Rosy mauve. |
| 259 | Diana . Rose pink with white throat. | 264b | Rose Dore . A pretty self salmon rose, shaded gold. |
| 260 | Crimson Queen . | 264c | The Fawn . A delightful blend of terra-cotta pink and pale yellow, soft and pleasing. |
| 260a | Firebrand . Fiery orange scarlet. | | |
| 261 | Golden Queen . Rich yellow. | | |

Any of above, pkt., 10c; any 3 pkts. for 25c.

- | | | |
|-----|--|---------------------|
| 265 | Silver Pink . Delicate rosy pink, seemingly covered with a silver sheen | 1/2 oz., 40c \$0 15 |
| 266 | Semi Tall Sorts Mixed | 1/4 oz., 20c 05 |
| 270 | Vaughan's Special Mixture of Snapdragons , includes all these and many other charming varieties and a packet will furnish you with a never ending color combination of long stemmed cut flowers suitable for home, church or hospital decoration. 1 oz., \$1.25; 1/4 oz., 40c; 1/2 oz., 25c; pkt., 15c. | |

Tom Thumb Varieties 8 inches

These Snapdragons grow about 8 inches in height, are splendidly suited for edgings and pot plants.

- | | | |
|------|--|----------------|
| 271 | Pink | Pkt. \$0 10 |
| 272 | Snow Queen . Splendid for pots and edging. Beautiful white flowers all summer | 1/4 oz. 25c 10 |
| 273 | Fireball . The color is the most dazzling scarlet | 10 |
| 273a | Orange yellow | 10 |
| 274 | Tom Thumb Mixed | 1/2 oz. 15c 05 |

Arctotis Grandis (African Daisy)

355 A remarkable handsome annual from southwest Africa. It forms much-branched bushes 2 to 3 feet high; its flowers are large and showy, being pure white on the upper surface, the reverse of petals pale lilac-blue. It is easily grown from seed, and may be started in hotbed, in the house or in the open ground, the seed germinating in about five days, and the plants may be expected to come into bloom early in July and continue until quite hard frost. It delights in a sunny situation. As a cutflower it is especially valuable, the blooms lasting a week or ten days in water, and if undeveloped buds are cut and placed in a sunny window, every one will open and produce a fine flower as though left on the plant. 1/4 oz., 40c; pkt., 10c.

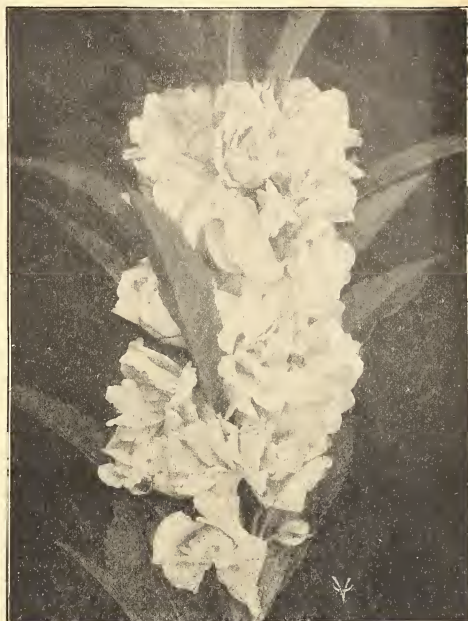
- | | | |
|-----|--|-------------|
| 356 | ARGEMONE Grandiflora (The Prickly Poppy) 2 ft. Lovely plants with an ornamental foliage and large handsome Poppy-like flowers, snowy-white filled in the center with golden stamens, very beautiful | Pkt. \$0 10 |
| 357 | ARTEMISIA Sacrorum Viridis (Summer Fir) Ornamental foliage plant. It forms pyramidal bushes 3 to 5 ft. high. The foliage is a rich dark green color | 15 |

- 384 **ASPARAGUS Plumosus Nanus** (Lace fern) \triangle 3 ft. Pkt.
The bright green sprays surpass the Maiden-hair Fern in grace and delicacy of texture. The hard seeds need soaking and bottom heat to sprout them. 10 seeds... \$0.15
- 386 **Sprengeri (Emerald Feather)** \triangle A very elegant foliage plant for hanging baskets, etc.; the minute flowers, which are produced in pretty racemes, are of a rose color with orange anthers. 10 seeds... 15
- 389 **ASPERULA Azurea Setosa** \odot 1 ft. Pretty sweet scented annual with light blue flowers. $\frac{1}{4}$ oz. 10c 05
- BABY BREATH.** (See Gypsophila)
- 660 **BALLOON VINE (Love in a Puff)** \odot A clean, free-growing vine reaching 10 to 15 feet, bearing delicate clusters of bloom and numbers of large, round, inflated seed-buds resembling miniature balloons. The effect is most odd and curious. It is in every way a very attractive vine. $\frac{1}{2}$ oz. 30c 05
- 661 **BALSAM APPLE** \odot $\frac{1}{2}$ 10ft. A very ornamental and quick growing climber. While it has a flower, it is grown mostly for the effect of the fruit which follows. This is yellow looks not unlike an apple—hence its name. When ripe it opens and shows the seeds and blood-red interior... $\frac{1}{2}$ oz. 40c 10
- 662 **PEAR.** Like above, only the fruit is pear-shaped. $\frac{1}{2}$ oz. 40c 10
- 663 **BALSAM, Apple and Pear Mixed** $\frac{1}{2}$ oz. 40c 10

Double Balsam (Lady Slipper) $1\frac{1}{2}$ to 2 ft.

An old and favorite garden flower, producing its gorgeous masses of beautiful brilliant colored double flowers in the greatest profusion. Balsams like the hot sun, rich soil and plenty of water. For perfect development the plants should be set from 12 to 18 inches apart. Transplanting two or three times has the tendency to dwarf the plants into better shape and to make the flowers more double.

- 675 **Alba Perfecta.** Pure white. 681 **Crimson Spotted.**
676 **Lemon Yellow.** 682 **The King.** Brilliant scarlet.
677 **Flesh Pink.** 683 **Atrosanguinea Plena.**
678 **The Queen.** Pale rose. Flowers and leaves, red.
679 **Prince Bismarck.** Salmon 684 **Solferino.** Striped lilac, pink, white and scarlet.
680 **Crimson.** 685 **Lilac.** 686 **Dark Blue** Pkt.
Each of the above... $\frac{1}{2}$ oz. 20c \$0.10
- 689 **Double Rose and Camellia-flowered Mixed** $\frac{1}{2}$ oz. 25c 10
- 690 **Vaughan's Invincible Balsams Mixed.** Mixed from separate colors and includes everything that is desirable in Balsams. $\frac{1}{4}$ oz. 35c 15
- 691 **Dwarf Balsams Mixed 8 in.** Perfect little bushes with double and semi-double flowers, the colors are pretty and pleasing. $\frac{1}{4}$ oz. 25c 05
- 692 **Goliath White 4 ft.** Remarkable for their immense height and extreme doubleness. Excellent for large and striking flower groups. $\frac{1}{4}$ oz. 30c 10
- 693 **Goliath Scarlet.** Extremely brilliant, large and very double. $\frac{1}{4}$ oz. 30c 10
- 695 **Giant Chamois Rose.** A most pleasing color, new. 15



BALSAM—Lady Slipper or "Touch-me-not"

Begonia—Continued \triangle 8 to 10 in.

Tuberous-rooted Begonias

For brilliancy of color, duration and profusion of bloom, few plants can compare with the tuberous-rooted Begonias offered. For greenhouse decoration and for summer bedding they are unequalled. Seedlings raised in heat early in spring will flower the same summer.

- 707 **Single Tuberous-Rooted Mixed.** Saved from finest exhibition varieties, all having large well formed flowers of many brilliant shades of color. $\frac{1}{2}$ oz. 35c 30
- 708 **Double Tuberous-Rooted Mixed.** Producing on strong erect stems an abundance of very double flowers ranging from brilliant rose to carmine, often with white margin or mottling, very striking. $\frac{1}{2}$ oz. 50c 50
- 709 **Friiled Tuberous-Rooted.** Seed saved from selected, best friiled flowers. $\frac{1}{2}$ oz. 35c 35

Bellis Perennis Fl. Pl. \triangle 6 to 8 in.

English Daisy. 6 to 8 in.

A low growing spring flowering plant. Loves a shady place and will reward the gardener with a mass of blossoms for succeeding years if left undisturbed.

- 720 **Snowball.** Double pure white. $\frac{1}{2}$ oz. 50c \$0.10
- 721 **Longfellow.** Double dark pink. $\frac{1}{2}$ oz. 50c 10
- 722 **Double Choice Mixture.** $\frac{1}{2}$ oz. 40c 10
- 723 **Mammoth White.** Larger than Snowball. $\frac{1}{2}$ oz. 15c 15
- 724 **Mammoth Pink.** Larger than Longfellow. $\frac{1}{2}$ oz. 15c 15
- 725 **Mammoth Mixed.** $\frac{1}{2}$ oz. 15c 15
- 728 **Red, Double.** $\frac{1}{2}$ oz. 20c 20
- 729 **Rosy White, Double.** Friiled. $\frac{1}{2}$ oz. 20c 20
- Bird of Paradise.** (See Poinciana)

Brachycome (Swan River Daisy) \odot 12 in.

A free-flowering, dwarf-growing annual; covered during the greater part of the summer with a profusion of pretty blue or white flowers, suitable for edgings, small beds or pot culture.

- 737 **White** 739 **Blue** 740 **Mixed** Pkt.
Each of the above... $\frac{1}{2}$ oz. 20c \$0.05
- 744 **BRIZA Maxima (Quaking Grass)** \odot 12 in. Valuable for winter bouquets and wreaths. The seed clusters are heart shaped and gracefully poised on such slender stems that they are almost constantly in motion. $\frac{1}{2}$ oz. 10c 10
- Burning Bush.** (See Kochia)

**Flag
Collection**

Vaughan's Balsams

One (10-cent) packet each
Red, White and Blue
Prepaid for..... 20c

- 695 **BARTONIA Aurea** \odot 12 in. One of the most showy of annuals, excellent both for beds and borders; producing showy, golden-yellow flowers. The foliage is gray and thick-like, and is exceedingly brilliant in the sunshine. It will not stand transplanting, so should be sown where intended to bloom. Sow in the open ground early in May. Blooms through summer and fall. $\frac{1}{2}$ oz. 25c 10

Begonia Semperflorens Ever-Blooming Bedding Varieties

A continuous-flowering section of begonia of the greatest value for bedding; the flowers, although small, are of brilliant colors and borne in great profusion from summer to autumn. Seedlings of spring bloom in summer, while seedlings of summer make valuable decorative plants for the greenhouse during winter.

- 700 **Erfordia.** A very pretty variety, densely covered with handsome flowers of a delicate rose color. $\frac{1}{2}$ oz. \$0.20
- 701 **Gracilis Luminosa.** Large bright scarlet flowers. $\frac{1}{2}$ oz. 25c 25
- 702 **Gracilis Prima Donna** 1 ft. Forms a broad, full bush with dense foliage. The flowers are a brilliant clear pink, shading to carmine rose. $\frac{1}{2}$ oz. 25c 25
- 704 **Semperflorens Atro-purpurea Vernon.** Bright orange carmine flowers, deep red foliage. $\frac{1}{2}$ oz. 10c 10
- 705 **Semperflorens Mixed.** $\frac{1}{2}$ oz. 10c 10
- 706 **Melanie.** \triangle The color is white, beautifully edged with pink 25



ASTER
Giant Ostrich
Feather

Dwarf Section. Up to 10 in.

- 401 **Vaughan's Snowball.** The best dwarf white aster. The beautiful shape of the snow-white flowers and the free flowering habit of the plants are unequalled in any other dwarf aster. $\frac{1}{8}$ oz. 40c \$0 15 Pkt.
- 402 **Vaughan's Fireball.** The most brilliant dwarf aster. It forms a neat, well-formed bush, covered with beautifully shaped flowers of the brightest scarlet; very effective for bedding and for pots. $\frac{1}{8}$ oz. 40c 15
- 403 **Dwarf Comet.** Mixed, all colors. Handsome and very distinct, resembling the Japanese Chrysanthemum in shape and flowers. The petals are very long and beautifully curled. 10
- 404 **Boltze's Dwarf Bouquet.** Mixed, all colors. Pretty little plants of handsome form, completely covered with flowers, each plant forming a neat bouquet. The flowers are the most distinct and delicate shade. 10
- 405 **Gloria or Buttonhole.** Very branching and free blooming. The flowers, $1\frac{1}{2}$ in. in diameter, are pure white, with a beautiful scarlet margin. It is the prettiest aster we know of for buttonhole wear or small vases. 15
- 406 **Dwarf Chrysanthemum Flowered.** All Colors Mixed. Of very compact growth; $3\frac{1}{2}$ -in. flowers; free flowering and later than other varieties, therefore valuable for succession. Excellent for formal bedding. $\frac{1}{8}$ oz. 25c 10

Flag

Vaughan's Asters

Collection

One 10 cent Pkt. each of Tall Asters

Red, White and Blue of any variety, prepaid for 25c

During the late summer and early fall the garden is usually a riot of reds and yellows, so the asters in their dainty and distinct colors as well as their many attractive forms are a pleasing addition.

The long stems make them desirable for cut flowers and the blooms last long in water.

It should be remembered however in regard to Asters that good culture is essential in order to obtain an abundance of fine flowers.

VAUGHAN'S

Semi-Tall Section. 11 in. to 16 in.

Daybreak (Improved American Victoria)

The Daybreak class forms strong bushy plants of very even growth. The full round flowers grow on strong, stiff upright stems. Extremely valuable for bedding. Pkt.

- | | |
|-----------------------------|-------------------|
| 410 Purity. Pure white..... | 414 Blue..... |
| 412 Salmon..... | 415 Lavender..... |
| 413 Rose..... | |

- | | |
|----------------------------|------------------------------|
| Each of the above..... | $\frac{1}{8}$ oz. 30c \$0 10 |
| 416 Mixed, all colors..... | $\frac{1}{8}$ oz. 25c 10 |

Giant Comet

This giant class is an improvement on the old and inferior Comet class, not only in bearing much longer flowers, but the petals are longer and broader.

- | | |
|---|---|
| 431 White..... | 437 Crimson..... |
| 433 Queen of Spain, soft yellow turning to flesh..... | 438 Light Blue..... |
| | 439 Shell Pink..... |
| | 440 Lavender..... |
| 435 Rose..... | 441 Dark Blue..... |
| 436 Purple..... | |
| Each of the above..... | $\frac{1}{4}$ oz. 40c; $\frac{1}{8}$ oz. 25c 10 |
| 442 Mixed, all colors..... | $\frac{1}{8}$ oz. 35c; $\frac{1}{8}$ oz. 20c 10 |

The Mikado

Petals are narrow, very long and gracefully reflexed. The outer petals show to their full extent, while gradually toward the center they bend and curl on each other in such magnificent disorder as to make the fullest aster we have ever seen.

- | | |
|---|---------------------------|
| 480 White..... | $\frac{1}{8}$ oz., 25c 10 |
| 481 Pink Rochester. Exquisite shade of shell-pink. The official flower of the city of Rochester,..... | $\frac{1}{8}$ oz., 30c 10 |

Queen of the Market

The best early aster, usually in full bloom two weeks before most other sorts begin to blossom. Of graceful spreading habit.

- | | | |
|----------------------------|--------------------------|--------------------|
| 485 White..... | 488 Crimson..... | 491 Lavender..... |
| 486 Flesh..... | 489 Scarlet..... | 492 Purple..... |
| 487 Pink..... | 490 Light Blue..... | 493 Dark Blue..... |
| Each of the above..... | $\frac{1}{4}$ oz. 30c 10 | |
| 494 Mixed, all colors..... | $\frac{1}{4}$ oz. 25c 10 | |

Tall Section 16 inches and up

Giant Crego

The most beautiful of the newer types of American Branching Asters. They unite the elegant grace of the European Comet with the robust vigor and long stems of the American branching varieties. The flowers are of immense size, usually measuring from four to five inches in diameter, and borne on stems twelve inches or more in length. Their lasting qualities when cut are unsurpassed. The petals of the richest and beautiful flowers are most attractively curled and twisted, resembling choice Japanese Chrysanthemums. The plants are of strong branching growth and usually attain a height of from two to two and one-half feet. The delightful flowers are borne in abundance from late August until the end of September.

- | | | |
|----------------------------|------------------------|--------------------------|
| 515 White..... | 518 Crimson..... | 521 Dark Blue..... |
| 516 Shell Pink..... | 520 Lavender..... | 522 Purple..... |
| 517 Rose Pink..... | Each of the above..... | $\frac{1}{8}$ oz. 30c 10 |
| 523 Mixed, all colors..... | | $\frac{1}{8}$ oz. 25c 10 |

Crown

Large flowered variety, each bloom of which has a clear white center. It is wonderfully attractive.

- | | |
|----------------------------|---------------------------|
| 524 Rose..... | 527 Dark Velvet..... |
| 526 Dark Rose..... | 528 Light Blue..... |
| 530 Mixed, all colors..... | |
| Each of the above..... | $\frac{1}{8}$ oz., 35c 10 |

Vaughan's Excelsior Mixture of Dwarf Asters

525 Many of our customers find it difficult to choose among the strains of all dwarf asters, and where exact heights are not required we recommend planting our **Excelsior Mixture**. It is comprised of the most distinct and desirable colors of the different classes of dwarf asters, and many others not listed especially selected for this mixture, insuring satisfaction to the grower. $\frac{1}{8}$ oz. 50c; large pkt. 25c; pkt. 15c



Our Asters are, with few exceptions, American grown. The culture of these glorious summer and fall flowers has absorbed the attention of the American seed growers for some years past and it has been proved our climate is ideal for the perfect growth of this family. With the perfect growth and giant size the seedsmen has been encouraged to make selections of various characteristics which distinguish these types and now the American Asters resemble huge hothouse grown Chrysanthemums. We offer a leaflet on the culture of Asters which is supplied free if asked for at the time of ordering.

ASTERS

Tall Section 16 inches and up continued

Vaughan's Giant Branching

Beautiful asters for cut-flowers. Quite different in several respects from any other aster known. The branching habit is accompanied with great vigor of growth and profusion of bloom. The flowers are very large, very double, borne on long, stiff stems, and the colors clear and handsome.

540 White	540 Mid Blue		
541 Peachblossom	547 Lavender		
542 Flesh Pink	547a Dark Violet		
543 Rose Pink	548 Purple		
545 Crimson			
Each of the above.....oz.	\$1.50	1/2 oz. 25c	\$0 10
549 Mixed, all colors.....oz.	1.20	1/2 oz. 20c	10

Vaughan's Giant Ostrich Feather

The finest type of the Giant Comet, or Ostrich Feather type of Aster. Much larger than the Giant Comet, the petals longer, more twisted, and produced in greater abundance. Borne on long stems, they make cut-flowers of great excellence.

563 White	567 Rose	569 Silvery Lilac	
565 Soft Pink	568 Crimson	569a Light Blue	
566 Lavender		570 Dark Blue	
Each of the above.....oz.	1/2	oz. 30c	10
571 Mixed, all colors.....oz.	1/2	oz. 25c	10
572 Early Flowering Giant Ostrich Feather, White.....			10
573 Early Flowering Giant Ostrich Feather, Rose.....			10

Soleil D'or

574 Golden Sun. This is the best yellow Aster. The flowers are of good size, they are borne on long stems; the color is a pleasing light yellow.....			15
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The King

The habit is similar to the popular Giant Branching, vigorous in growth, long stiff stems. In form the flower is entirely distinct from any other variety; petals somewhat resemble the quilled varieties, but are much larger and broader, those in the center being curled and incurved, completely covering the crown. In shape and size the bloom is round, full and very large.

575 White	577 Rose	579 Violet	
576 Pink	578 Crimson	580 Lavender	
Each of the above.....oz.	1/2	oz. 25c	10
581 Mixed, all colors.....oz.	1/2	oz. 20c	10

The Royal (Early Flowering Branching)

A new class of American aster. Its habit of growth is entirely distinct, the stems growing directly from the ground and not on side-shoots from the main stem like other varieties. A medium early bloomer.

585 White	587 Rose Pink	589 Purple	
586 Shell Pink	588 Lavender	590 Mixed, all colors	
Each of the above.....oz.	1/2	oz. 25c	10

American Asternum

An attractive and descriptive name for a new race of asters which belong to the Comet family. The plants are of strong upright growth with 12 to 15 strong stems 20 inches long, each carrying a flower of perfect form.

591 Snow White	592 Rose Pink	593 Lavender	
Each of the above.....oz.	1/2	oz. 30c	10

Other New American Varieties

595 Lavender Gem. One of the most charming sorts. The flowers are of a true lavender shade and the petals are gracefully curled and twisted, and the blooms are borne on long firm stems.....	1/2 oz. 30c	15
600 Peerless Pink. The flowers are enormous, globular in shape, many five inches across, of a most delightful and pleasing rich shell pink. First flowers appear about the middle of August, but the plant is at its zenith about four weeks later.....		15

ASTER Vaughan's Giant Branching

Other New American Varieties—Continued

601 Crimson Giant. This shade has been one which has seemed Pkt. to lack intensity of color, but in this variety the blood-red blossom is particularly bright and the extreme doubleness of its flowers make a bed of them a mass of oriental splendor in a garden.....	\$0 15
602 White Perfection. A fine new midseason Aster of tall, upright growth, carrying about twelve large long-stemmed pure white double flowers about four inches in diameter, of perfect form, the broad, slightly folded petals being arranged in circular rows, like some Dahlias.....	15
603 Miss Roosevelt. Primrose changing to flesh.....	10
610 Sensation. Bushy and branching plant about two feet high, flowers double and incurved, resembling a Dahlia and the flower a lively cardinal red. The flowers are wonderfully attractive in the garden and when cut and used under artificial light the effect is charming.....	15

Mixtures in Variety

611 White Asters in Mixture. Composed of all the tall growing white sorts.....	1/2 oz. 25c	10
620 Asters, Tall Mixture. Many classes and colors. If one has a large space where the cultivation of flowers is for cut flowers only, we would suggest a liberal planting of this mixture of Asters, and while the newer kinds, such as our Excelsior mixture contains, are lacking, still many charming varieties are included in this, and the flowers will be in succession from early in the summer to late in the fall.....	1 oz. 75c; 1/2 oz. 25c	10
621 Asters, Dwarf Mixture. This is a mixture of many varieties of dwarf sorts and where a large mixed bed of asters is desired this will answer the purpose nicely.....	1/2 oz. 25c	10

Single Marguerite Aster

Plants strong, vigorous and of handsome pyramidal habit, very free blooming, and produce their beautiful flowers on long slender stems. The flowers are from 2 to 3 inches in diameter, with small yellow centers, and last a week when cut.

622 White	623 Dark Blue	624 Pink	
624a Lavender	626 Mauve		
Each of above.....			10
627 Marechal Joffre. A large flowered single red; excellent for cutting.....			15
628 Mix.d, all colors.....			10

Vaughan's Excelsior Mixture of Tall Asters

625 This is a mixture of the most beautiful, striking and distinct colors of all the tall growing asters. Selected from the cream of the tall varieties and others especially purchased for this mixture. This is the finest mixture of Tall Asters in existence and the most critical lover of this flower will be astonished at the wide range of colors and varieties given in this truly Excelsior strain.....





CALLIOPSIS (Tickseed)



CALENDULA—Orange King



CANDYTUFT—Giant Hyacinth-Flowered

Browallia ☉ 1 ft.

One of our favorite profuse blooming bedding plants, covered with rich, beautiful winged flowers during the summer and autumn months, supplying a shade of intense blue, very uncommon; grows freely in any rich soil; blooms finely in the winter if lifted in autumn and cut back.

- 745 **Speciosa Major.** A beautiful flowering variety of the Pkt. most brilliant ultramarine blue; a rare color; does finely outside in the border or in hanging baskets or in vases. \$0.15
- 746 **Elata Mixed.** Blue and white. 10
- 748 **BRYONOPSIS Laciniata** ☉ \$ 10 ft. An ornamental climber of the gourd family, bearing green fruit which change in color to bright scarlet striped white. 10
- 750 **CACALIA** ☉ 2 ft. (Tassel Flower or Flora's Paint Brush.) A very attractive border plant with brilliant orange-scarlet flowers, which are much prized for bouquets and vases. 10
- 751 **CALANDRINIA Grandiflora.** Handsome hardy annual; fleshy leaves and bright rose-colored flowers; especially suitable for sunny situations. 10
- 752 **Umbellata.** Hardy perennial of trailing habit, producing brilliant crimson flowers. Excellent for rockwork and sunny situations. Blooms the first season. 10
- 755 **CALCEOLARIA Hybrida Grandiflora (Pouchflower).** Fine Mixed. ☉ 1½ ft. The gorgeous beauty of these flowers renders them indispensable for greenhouse decoration. Is not of easy culture, but a very desirable flower. Bears a large profusion of small, pocket-shaped flowers, many of which are beautifully tigered or spotted. There is a great variety of shades and colors in various markings. 25
- 840 **CANARY BIRD VINE** ☉ \$ 15 to 20 ft. A dainty vine with beautiful cut leaves and pretty delicate flowers of a clear canary-yellow. From the color of its blossoms and also from a fancied resemblance of their shape to a bird with wings expanded the plant obtained its common name. Does well in the shade. 05

Calendula (Pot Marigold) ☉ 1 ft.

One of the best and showiest free-flowering hardy annuals, growing in any good garden soil, producing a fine effect, in beds or mixed borders, particularly bright in late fall, continuing in bloom from early summer until killed by frost; valuable also for pot culture, blooming freely in winter and early spring.

- 766 **Officialis, Orange King.** The outer petals are slightly Pkt imbricated, while those of the center are curved like those of the peony. Color glowing orange. ½ oz. 20c \$0.10
- 767 **Officialis, Sulphur Queen.** Large sulphur yellow. 10
- 768 **Officialis, Meteor.** Apricot-orange, striped primrose. 05
- 769 **Pongee Flore Pleno.** Double white flowers. 10
- 770 **Mixed, all colors.** For woodlands, wild gardens and perennial borders. ½ oz. 10c 05

CALIFORNIA POPPY. See Escholtzia.

Calliopsis (Tickseed) 6 in. to 2 ft.

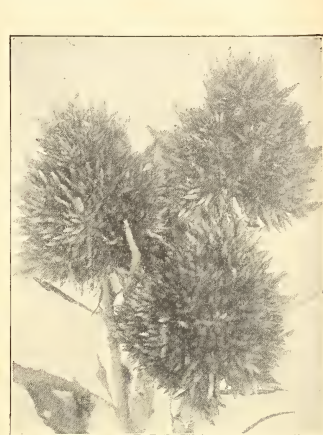
Very graceful border plants, supplying throughout summer an abundance of elegant showy flowers which are greatly prized for bouquets and vases. They will thrive anywhere, even in city gardens, where their bright colors are highly appreciated.

- 780 **Crown of Gold (Coronata Maxima.)** Splendid cut-Pkt. flower. Pure golden yellow, 2 to 3 inches across, on long wiry stems; hardy and blooms nearly all season. \$0.10
- 781 **Golden Ray** 6 to 8 in. Flowers golden yellow with dark purplish-brown center. ½ oz. 25c 10
- 782 **Drummondii, Golden Wave** 2 ft. Flowers yellow with a circle of rich crimson-brown around the eye. ¼ oz. 10c 05
- 783 **Hybrida Superba.** Forms dense bushes desirable for pots, groups and borders. ½ oz. 25c 10
- 784 **Radiata Tigrinia (Tiger Flower)** 6 to 8 in. Flowers large reddish-brown, turning golden-yellow. ½ oz. 25c 10
- 788 **Tall Varieties, Mixed.** Valuable for wild gardens, etc., and for cutting. ¼ oz. 10c 05
- 789 **Dwarf Varieties, Mixed.** Valuable for small mixed beds and borders. ¼ oz. 10c 05
- 790 **Double Mixed, all colors.** ¼ oz. 20c 10
- 800 **Vaughan's Special Mixture Calliopsis.** This is the most pleasing mixture offered. It contains all the desirable sorts and colors of these beautiful flowers. A great number of kinds have been especially selected for it. ½ oz. 30c 10
- 801 **CALLIRHOE Involucrata,** 9 to 12 in. Flowers crimson, purple, cherry, red or paler. 10

Candytuft ☉

These Candytufts are of fine habit and profuse bloomers. They soon flower from seed and remain long in beauty. For massing in flower beds and borders and for edgings they are admirably adapted, while for cutting, the flowers are greatly prized.

- 845 **Giant Hyacinth-Flowered White.** 1 ft. A grand border Pkt plant, bearing very large bold spikes of snowy white flowers, habit sturdy and compact. This is an especially select stock. 05c, 85c; ¼ oz. 25c \$0.10
- 846 **Empress.** Pure white, splendid cut flower. ½ oz. 25c 05
- 850 **Queen of Italy.** 8 in. The plants form dwarf bushes covered with large pink blooms. ¼ oz. 25c 10
- 851 **Snowflake.** The very sweetest of all. ¼ oz. 25c 10
- 852 **Umbellata Carminea.** Carmine. ¼ oz. 20c 10
- 854 **Umbellata Purpurea.** Crimson. ¼ oz. 20c 10
- 855 **Umbellata Rose Cardinal.** Brilliant deep rosy-red; one of the most effective for bedding. ¼ oz. 25c 10
- 856 **Umbellata Lilacina.** Lilac. A particularly charming color. ¼ oz. 25c 10
- 857 **Dwarf Hybrids Mixed.** Plants of fine compact growth, covered with large flowers ranging in color from rose, salmon, coral pink and delicate blush, to lilac and purple crimson; valuable for borders and cutting. ¼ oz. 25c 10
- 860 **Mixed, all colors.** Lb., \$1.80; ¼ lb., 50c; oz. 25c; ½ oz. 15c 05



CARNATION—Vaughan's Special Mixture

Canna 2½ to 8 ft.

Enormous brilliant clusters of bloom borne on spikes above broad leaves of green or bronze, in tropical effect. No park, no public garden, private estate, or even moderate town plot is complete this summer without a showing of Cannas. These are usually planted from roots or started plants, but they can be successfully grown from seed if planted early. The seed should be pierced in one spot with a file and soaked in lukewarm water for 24 hours before sowing. A splendid lot of plants may be produced at a much reduced cost.

For Canna roots and plants see our named list in back of catalogue.
900 **Giant Flowered, Mixed.** These are saved from our own Pkt. collection at Western Springs.... 1 oz., 35c; ¼ oz. 20c \$0 10

Cardinal Climber 25 ft.

901 This is a very attractive, strong and rapid grower, attaining a height of twenty-five feet with beautiful fern-like lacinated foliage and literally covered with a blaze of fiery cardinal red flowers from midsummer to frost. The flowers are about 1 inch in diameter and are borne in clusters five to seven blooms each. Like all Ipomoeas it delights in a warm, sunny situation and good, rich soil. The seed should be soaked in water a few hours before sowing and not planted outside until about May 1st. .2 pkts., 25c; 5 pkts., 50c.....25 seeds, 15

Vaughan's Mixture of Annual Flower Seeds For Cut Flowers

902 This will produce a glorious amount of flowers for cutting. We would suggest planting this in rows in the vegetable garden where the plants may be cultivated and the blossoms kept cut close so the production of flowers will be encouraged as the more one cuts the more one has to cut. The secret being not to allow any seed pods to form. ¼ oz., 20c; ½ oz., 50c.....large pkt. 10

Carnations

The Carnation has long been prized as a hardy border flower, and it certainly deserves all the praise lavished upon it. Being hardy, free flowering, and easily grown either in flower-beds, borders, or pots, it is one of the most valuable and beautiful of our summer flowers and a favorite with everyone. Plants raised from seed bloom more profusely than propagated plants, and are therefore to be preferred.

910 **Chabaud Mixed.** A remarkable strain raised by a Carnation specialist in southern France. Blooms in 5 months after being sown, and continues to flower indefinitely in the greatest profusion.....100 seeds 15
911 **American Hybrids.** A valuable race of large-flowered carnations, bearing their handsome blooms on long wiry stems for a long time in succession.....35 seeds 25
914 **Marie Chabaud.** Pure canary yellow.....50 seeds 15
920 **Guillaud Riviera Market.** Nearly all double flowers of fine form and delicate shades, including yellow, all fragrant 25
930 **Giant Margaret Mixed.** Flowers of very large size, measuring 3 in. or more in diameter; colors include all the shades of white, pink, crimson and striped. Upright growth requiring hardly any support.....100 seeds 15

CARDINAL CLIMBER

THE CHINESE WOOLFLOWER

CARNATION—Continued.

931	Giant Margaret White.....	50 seeds \$0 15
950	Margaret, Double Mixed.....	954 Yellow 958 Striped
952	White.....	956 Pink 960 Red
Each of the above..... 10		
975	Vaughan's Special Mixture. This is a mixture of the best strains. The plants will bloom the first summer and will produce many flowers equal to the best florist's Carnation. They may be lifted in Sept., potted and will bloom all winter in the house.....100 seeds 25	



Celosia (Coxcomb) 8 in.

Cristata or Crested Dwarf Sorts

Very popular annuals of easy culture, producing large, ornamental, comb-like heads like ruffled chenille. Prized for pots or summer flower beds.

1010 **President Thiers.** Fine dwarf habit, with bronzy Pkt. foliage, and large handsome velvety crimson combs.... \$0 10
1014 **Empress.** Blood-red combs and brown foliage..... 10
1016 **Aurea.** Golden yellow combs..... ¼ oz. 75c 10
1018 **Rosea.** Pink combs..... ¼ oz. 75c 10
1019 **Dwarf Mixed.** All the above and others..... ¼ oz. 30c 10
1021 **Tall Coxcomb Mixed,** 18 to 24 in..... ¼ oz. 20c 10

Plumosa or Plumed Varieties, 2½ to 3 ft.

These stately plants are considered among the most ornamental, and should not be omitted in any garden. They generally form pyramidal bushes branching out in candelabra shape, and the numerous massive plumes which resemble ostrich feathers, wave gracefully above the foliage.

1022 **Plumosa Aurea.** Orange ostrich plume..... ¼ oz. 25c 10
1024 **Plumosa Coccinea.** Crimson ostrich plume..... ¼ oz. 25c 10
1025 **Plumosa mixed, all colors**..... ¼ oz. 15c 05
1026 **Plumosa Thompsoni Magnifica.** A choice strain of the Ostrich Plume Celosias..... ¼ oz. 25c 10
1027 **Pride of Castle Gould.** Plants grow compact and pyramidal and produce immense flower heads, resembling willow plumes in many remarkable shades..... 25
1028 **The Chinese Woolflower (Celosia Chidsei).** Plants grow two to three feet high, the bloom starting early with a central head, round and globular, which often reaches the immense size of two feet in circumference. Scores of branches are thrown out, each bearing a ball of scarlet wool. All these branches support numerous laterals with small heads of bloom mixed with fresh green foliage, so that a plant looks like an immense bouquet splendidly arranged and set in the ground. None of the blooms fade in any way until hit by frost; but all continue to expand and glow with a deepening richness of color, a dark crimson-scarlet..... 15
1029 **Spicata.** Plants are erect and grow 3 feet in height, branching freely, each stem terminating in a round, slender pointed spike of bloom, 3 to 4 inches in length and one-half inch in diameter. The flowers at first are a soft bright rose, changing to silver white, so that a fully developed spike resembles a slender silver plume with a bright carmine tip..... 05
1032 **Dwarf Plumosa Mixed.**..... 10



CENTAUREA CYANUS—Bachelor's Button

CLARKIA—Double

CENTAUREA—Imperialis Giant Sweet Sultan

- 1039 **CENTAUREA Americana.** 3 ft. A splendid native Pkt.
variety; bears immense thistle-like blooms of rosy-
lavender color. $\frac{1}{2}$ oz. 40c \$0 10
- 1040 **Americana Alba** \odot 2 $\frac{1}{2}$ ft. Star Thistle. Immense heads
of double fluffy blooms, almost pure white. $\frac{1}{2}$ oz. 50c 10


Centaurea Cyanus (Bachelor's Button) \odot 2 ft.

Known as Ragged Sailor or Cornflower. It is not a pretentious plant but will always charm by its simple beauty. Re-seeds itself and may be used for naturalizing purposes.

Single Flowering Varieties


- 1041 **White** $\frac{1}{2}$ oz. 35c 1043 **Dark Purple**
1042 **Blue Emperor** $\frac{1}{2}$ oz. 20c; lb. \$4.00 1044 **Rose**
Each of the above, packet 10c
- 1045 **Mixed, all colors** $\frac{1}{2}$ oz. 15c; $\frac{1}{4}$ lb. 75c 05

Double Flowering Varieties

- 1046 **White** 1047 **Blue.** 1048 **Pink Shades**
1048a **Purple** Each of the above, ϕ 60c; $\frac{1}{4}$ oz. 20c. 10
1049 **Double Mixed** $\frac{1}{2}$ oz. 25c 10
1050 **Dwarf Victoria.** 9 in. Edging, blue. 10
1051 **Vaughan's Special Mixture of Bachelor's Buttons,** double and single varieties. 1 ϕ 60c.  10

Imperialis (Giant Sweet Sultan), 2 $\frac{1}{2}$ ft.

This beautiful class is undoubtedly the finest of all Sweet Sultans for cut flower purposes. The beautiful sweet scented, artistic shaped flowers are borne on long, strong stems; when cut will last for several days in good condition.

- 1064 **White.** 1065 **Lilacina.** Dark Lilac
1066 **Favorita.** Brilliant Rose 1067 **Splendens.** Purple crimson
1068 **Rose and White.** 1068a **Deep Lavender**
Each of the above. $\frac{1}{4}$ oz. 20c 10
1069 **Mixed, all colors** $\frac{1}{4}$ oz. 15c 10
1070 **Moschata Mixed.** Sweet Sultan, white, red and blue. 05
1071 **Suaveolens.** Yellow Sweet Sultan. $\frac{1}{2}$ oz. 30c 05
1072 **Vaughan's Special Mixture of Centaureas** is composed of all the annual Centaureas, and a packet will produce the loveliest cut flowers all summer. $\frac{1}{2}$ oz. 40c  10
- 1073 **CENTAUREA Candidissima** \triangle 10 in. Thick silvery white leaves, used for bedding purposes. 10
- 1074 **CENTAUREA Gymnocarpa Dusty Miller** 1 ft. Foliage finely cut of silvery gray color, used for bedding. 10
- 1075 **CENTROSEMA Grandiflora Butterfly Pea.** \odot $\frac{1}{2}$ \triangle 10 ft. Sometimes called "Look at me" a hardy vine, blooms in July from seeds sown in April, bears in profusion, inverted pea-shaped flowers; rosy violet to reddish purple in color 10

Chrysanthemum, Annual Var. \odot 2 $\frac{1}{2}$ ft.

Showy and effective family of plants of varied character extensively grown for cut flowers.

Single Flowering Varieties


- 1088 **Morning Star.** Primrose with golden yellow center. 05
1089 **Evening Star.** Large golden yellow flower. $\frac{1}{4}$ oz. 15c 05

Chrysanthemum, Single Flowering—Continued.

- 1090 **Carinatum, Eclipse.** Yellow with dark brown disk. \$0. 05
1091 **Burridgeanum.** Very beautiful flowers, banded with crimson, white and yellow. 05
1092 **Golden Feather.** Foliage striking yellow; flower with a crimson ring near center. $\frac{1}{4}$ oz. 15c 05
1094 **The Sultan.** Crimson maroon. $\frac{1}{4}$ oz. 15c 10
1095 **Northern Star.** Flowers pure white with a zone of clear bright yellow overlaid with silver. $\frac{1}{4}$ oz. 15c 10
1095a **Mixed, Single Annual Varieties.** 10


Double Flowering Varieties

The coronarium varieties are dwarf selected strains of compact habit and with fine double flowers. They are most valuable border and bedding plants, and provide large quantities of cut bloom during the summer.

- 1096 **Coronarium, Double White.** $\frac{1}{4}$ oz. 15c 05
1097 **Double Golden Yellow.** $\frac{1}{4}$ oz. 15c 05
1098 **Double Sulphur Yellow.** $\frac{1}{4}$ oz. 15c 05
1098a **Pumila, Luteum Golden Ball.** 15 in. Forming compact plants smothered in bright yellow flowers, a fine bedder. 10
1098b **Tricolor, Atro-coccineum, pl.** Double red. 10
1099 **Double Mixed** $\frac{1}{4}$ oz. 15c 05
The Dunnetti varieties are of upright growth, producing flowers two inches across.
1100 **Dunnetti, Double White** 1101 **Double Yellow** 10
1102 **Inodorum Plenissimum, Bridal Robe.** 10 in. Double pure white flowers. $\frac{1}{4}$ oz., 40c 10
1109 **Vaughan's Special Mixture of Double Chrysanthemums.** All the above and others. $\frac{1}{2}$ oz., 25c 10
- 1110  **Vaughan's Special Mixture of Annual Chrysanthemums.** Single and double sorts in finest mixture including many new varieties not catalogued above. $\frac{1}{2}$ oz. 25c 10
- The following are valuable for winter-flowering in pots.
1112 **Frutescens** \triangle Paris daisy or Marguerite. Large white star-shaped flowers. $\frac{1}{2}$ oz. 15c 10
1114 **Chinese and Japanese Varieties Mixed.** If the seed is sown in February or March, and properly treated, the plants will bloom profusely next fall. 100 seeds 15

Cineraria \triangle 18 in.

As decorative and ornamental plants for winter decoration the Cinerarias take a foremost place, and their handsome flowers may be enjoyed by any one possessing an ordinary greenhouse where frost is excluded.

- 1120  **Vaughan's Columbian Mixture.** This is a mixture of the finest strains; the flowers are very large, from 7 to 9 inches in circumference, brilliant colors. 25
- 1121 **Hybrida, Good Mixed.** 10
1122 **Radiata Polyantha.** 2 to 3 ft. The small starry flowers are borne in profusion in loose panicles in many pleasing shades of crimson, rose blush, white, azure and violet 25
1123 **Maritima, Diamond.** For edging, silvery foliage. 10



COBAEA Scandens



CONVOLVUS (Morning Glory)



COSMOS EARLY FLOWERING MAMMOTH

Clarkia ☉ 2 ft.

Clarkias are popular summer annuals, all perfectly hardy, and can be grown with the utmost ease in ordinary soil. They flower profusely, and are exceedingly bright and attractive, especially in large masses.

- | | | | |
|------|--------------------------------|---|-------------|
| 1124 | Apple Blossom. | Double flowers, apple-blossom pink | \$0 10 |
| 1125 | Brilliant. | Double flowers, produced on long spikes, of a brilliant salmon scarlet. | 1/4 oz. 30c |
| 1126 | Chamois. | 1127 Flesh. Double flesh pink, each | 10 |
| 1128 | Queen Mary. | Lovely rose carmine, very bright color. | 10 |
| 1129 | Salmon Pink. | Double salmon. | 10 |
| 1130 | Scarlet Queen. | The flowers are a double orange salmon and develop to a glowing orange scarlet. | 1/8 oz. 25c |
| 1132 | White Prince. | Very double, pure white. | 1/4 oz. 30c |
| 1133 | Double and Single Mixed | | 1 oz. 25c |



Vaughan's Special Mixture. Made up especially from the above named varieties. Be sure and include this in your order.

- | | | | |
|------|--|---|----------------------------------|
| 1135 | CLEOME Pungens (Spider Wurt) | ☉ 5 ft. A showy garden annual producing curious heads of flowers of bright rose color; of easy cultivation, blooming until late; a good bee plant. | 1/2 oz. 25c |
| 1136 | CLIANTHUS Dampieri (Glory Pea of Australia) | ☉ 2 ft. Clusters of bright red flowers with black spot, 15 seeds | 25 |
| 1137 | COBAEA Scandens Cathedral Bells | ☉ \$30 ft. One of the handsomest and rapid growing climbers. The flowers are bell-shaped and open a clear green but turn a beautiful purplish lilac. Seed should be sown edge-wise. A very vigorous and prolific bloomer. | 1/4 oz. 15c |
| 1138 | Flore Albo. | White. | 1/4 oz. 30c |
| 1139 | Mixed. | White and blue. | 10 |
| 1146 | COCCINEA Indica | ☉ \$ A remarkably pretty annual climber; luxuriant Ivy-like foliage; small flowers followed by numerous fruits 2 inches long, which turn to brilliant scarlet, spotted with white. | 1/8 oz. 25c |
| 1148 | COIX Lachrymae (Job's Tears) | ☉ 2 to 4 ft. The seed is frequently used as an old-fashioned remedy for sore throat, goiter and teething babies. It is strung on a linen thread and worn around the neck as a charm. | 1 lb. 60c; 1/4 lb. 20c; 1 oz. 5c |
| 1150 | COLEUS, Vaughan's Mammoth Rainbow Mixture | ☉ 2 ft. The handsomest foliage plant obtained from seed. The leaves often measure 10 inches in length and 8 inches in width, heart-shaped and handsomely crimped, toothed and frilled; their color combinations are remarkably rich | 20 |
| 1153 | Fine Mixed. | | 10 |
| 1154 | COLLINSIA Mixed | ☉ 18 in. All species are brightly colored and excellent for growing in clumps. Blooms early and prefers a dry situation. | 1 oz. 25c |



- 1156 **COMMELINA Sellowiana** ☉ 1 ft. Plants are of Pkt. graceful trailing habit, superb for carpet bedding or for hanging baskets. In pots it blooms every day in the year. In the garden from May until frost, showing daily scores of large winged butterfly-like blossoms of dainty blue color. 1/4 oz., 50c \$0 10

Convolvulus (Morning Glory) ☉ \$

Major—Tall Varieties

The Morning Glory is too well known to need a description, and one seldom finds a more satisfactory vine. The amateur gardener can be sure of a fresh supply of bright colored, delicately tinted flowers.

- | | | | |
|---|---------------------------|--|-----------------------|
| 1160 | White | 1162 Crimson | 1164 Dark Blue |
| 1161 | Rose | 1163 Striped | 1165 Lilac |
| One packet each of above, 6 for 20c. Each of the above, 1 oz. 29c | | | |
| 1166 | Mixed, all colors. | 1 lb. 80c; 1/4 lb. 25c; 1 oz. 10c | 05 |
| 1168 | Double Mixed. | The flowers are double and semi-double and some are fringed. | 1/2 oz. 20c |
| 1169 | Double Snow Fairy. | The main charm lies in the purity and the quaintness of its blossoms which are pure white and curiously formed, really a flower within a flower. | 1/2 oz., 35c |

Minor—Dwarf or Bush Varieties 1 ft.

Are very showy and beautiful hardy annual for flower beds and borders, also rockwork; they bloom for a long period and delight in sun.

- | | | | |
|------|-------------------------------|--|----------------|
| 1171 | Blue. | 1172 Rose Queen. | Each 1 oz. 20c |
| 1173 | Mixed, all colors. | 1 lb. \$1.00; 1 oz. 15c | 05 |
| 1174 | COSMIDIUM Orange Crown | ☉ 2 ft. The flowers are golden-yellow with a broad circle of a rich orange around the disk, a pleasing combination. Plants produce a succession of bloom all summer. | 10 |

Cosmos ☉ 4 to 6 ft.

This beautiful annual is one of the most showy and useful of our garden plants. Plants are very bushy and compact. Flowers borne on long delicate stems and are similar to single Dahlias. Foliage very finely cut.

Early Flowering Mammoth

These are the only kind we would recommend planting north of the latitude of Middle Illinois, as the late, or Giant flowered varieties are nearly always caught by early frost. We have dropped the ordinary Early Flowering varieties which produce small flowers and now offer only these Mammoth Early Flowering sorts.

- | | | | | |
|------|--|-------------------|----------------------|---------|
| 1180 | White. | 1181 Pink. | 1182 Crimson. | Each 10 |
| 1185 | Early Flowering Mammoth Mixed, all col's. | 1/4 oz. 20c | | 10 |

Late or Giant Flowered

For sowing south of the latitude of Middle Illinois.

- | | | | |
|------|--------------------------|---|----|
| 1187 | Crimson Ray. | The petals are narrow and fluted, and separated in star-like form and of the most brilliant crimson color overlaid with a velvet sheen. | 10 |
| 1188 | Crimson. | | 10 |
| 1189 | White Lady Lenox. | 1/2 oz. 15c | 05 |
| 1190 | Pink Lady Lenox. | 1/4 oz. 25c | 10 |
| 1195 | Giant Mixed. | 1 oz. 25c; 1/2 oz. 15c | 05 |
| 1196 | Klondyke. | A gorgeous orange-yellow flower with very handsome foliage more coarsely lacinated than others. | 10 |

For New Double Sorts see the Novelty pages.



DIANTHUS—Vaughan's Special Single



DELPHINIUM (Annual Larkspur)



DIANTHUS—Vaughan's Special Double

- 1202 CUPHEA *Platycentra* (Cigar Plant) \triangle 10 in. Small Pkt.
scarlet and black tubular flowers; dark green foliage. \$0 20
- 1203 *Purpurea* 10

Cyclamen (Alpine Violet) \triangle 1 ft.

Charming house plants, with beautiful foliage and rich colored, fragrant flowers; universal favorites for winter and spring blooming. May be successfully raised from seed with a little care and patience.

- 1205 Giant Flowered Cyclamen. Mixed, extra choice
10 seeds 20c; 20 seeds 30c; 100 seeds \$1.20
- 1227 CYPERUS *Alternifolius* (Umbrella Plant) \triangle 1½ ft.
Grows finely in water with rich soil or mud, throwing up
long spikes with narrow green leaves, umbrella shape. 10

Cypress Vine \odot \$ 10 ft.

For training upon a light ornamental trellis the Cypress Vine cannot be excelled. It has a profusion of scarlet or white star-shaped blossoms, and its finely cut foliage is particularly adapted to ornamental work.

- 1228 White 1229 Scarlet. ½ oz. 25c 05
1230 Mixed ½ oz. 20c 05
1231 Ivy-Leaved Scarlet. A rapid growing variety with
deeply lobed, ivy-like leaves, and small scarlet flowers. 10

Dahlia \odot 2 4 ft.—Growing Dahlias from Seed

But few people know Dahlias can be raised from seed and will bloom the first year. The seeds germinate easily and from the very first are strong and sturdy little plants. Plant them in a shallow box or pan early in March or April, transplant them carefully as their growth demands, and keep the soil moderately moist. When all danger from frost is over, plant them in the bed or border in the garden, and from then on they will prove no more trouble than if the tubers had been used instead of seed.

Single Flowering

- 1232 Collarette, Mixed Colors. Flowers of various colors,
adorned with a collar of small petals around the
center, novel and beautiful. ¼ oz. 30c 10
1233 Colossal. The flowers are composed of three or more
whorls of wide overlapping petals—one above the other.
Stems are long and rigid, bearing flowers well above
the foliage; the colors are rich and varied. ¼ oz. 30c 10
1235 Giant Perfection Mixed. The plants are of strong,
robust habit, and produce in great abundance flowers
of immense size, of the most bewildering variety of color. 10
1236 Striped Mixed. 10

Double Flowering

- 1237 Double Good Mixed ¼ oz. 35c 10
1238 Double Cactus Flowered Mixed. With twisted and
curled petals. ¼ oz. 35c 15
1239 Double Best Mixed. Saved from show and fancy sorts. 25
1240 Vaughan's Special Mixture. This mixture contains
seeds from the best collections in America
and Europe and embraces all the various
strains of double-flowering Dahlias, such as
Show, Pompon, Liliput and Cactus varieties,
also the single flowering and striped sorts. 60 seeds 25
- DAISIES, see Bellis, Agathe, Arcotids, Brachycome,
Chrysanthemum Maximum and Frutescens, Dimor-
photheca and Pyrethrum Roseum.

Datura (Angel's Trumpet) \odot 3 ft.

Handsome plants for subtropical bedding in summer, having large trumpet-shaped fragrant flowers. They should be given a light soil and a sunny sheltered position. Make grand pot plants for the greenhouse.

- 1242 Cornucopia (Horn of Plenty). Immense flowers,
triplicate in form, like three cones, one within the
other, color rich violet, with white interior. ¼ oz. 20c \$0 10
- 1243 Golden Queen. Very large double bright yellow
flowers, a fine pot plant. ¼ oz. 20c 10
- 1244 Double White ¼ oz. 15c 05
1245 Double Fine Mixed ¼ oz. 15c 05

Delphinium (Annual Larkspur) \odot

These handsome Larkspurs are very effective in borders and planted amongst shrubs. The graceful spikes of bloom are much valued for vases. They continue long in bloom. The Emperor, Hyacinth-flowered and Branching varieties bloom a little later than the Stock-flowered. Sow seed in the open border either in early spring or late fall for germination may take place very early in the spring.

Stock-Flowered

- 1261 Lustrous Carmine (Newport Pink)
1262 Flesh Color 1264 White 1267 Sky Blue
1263 Deep Lavender 1265 Dark Blue
- Each of the above ¼ oz. 25c; 1 oz. 80c 10
- 1268 Mixed, all colors. 1 oz., 60c; ¼ oz., 20c 05
- 1269 Giant Hyacinth-Flowered Mixed 3 ft. Derives its
name from the striking resemblance of the flowers to
a double Hyacinth. Delicate colors. ¼ oz. 15c; 1 oz. 50c 05
- 1275 Dwarf Rocket Mixed 1 ft. ¼ oz. 10c; 1 oz. 25c 05
- 1281 Emperor Mixed. Produces an abundance of long,
slender spikes in the most delicate colors. ¼ oz. 10c 05
- 1285 Vaughan's Special Mixture, Annual Larkspurs.
A charming mixture containing all the
bright and delicate shades, makes wonderful
cut flower material and should be planted
generously. 1 oz., \$1.00; ¼ oz. 30c 10
- See novelty pages for new varieties.

Dianthus (Garden Pinks) \odot 1 ft.

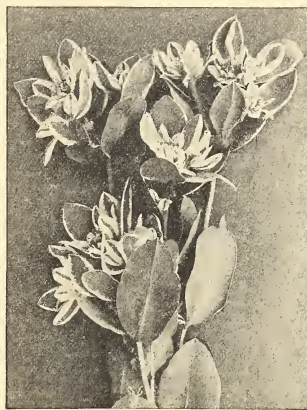
A popular annual variety known to nearly all. The flowers are distinguished for their brilliant, contrasting variety of colors appearing in each flower. The stripes and spots make the clusters stand out distinctly.

Single Flowering

- 1286 Crimson Belle. Large handsome flowers, crimson. 05
1287 Eastern Queen. Large and beautiful flowers, marbled
rose and white ¼ oz. 20 05
1288 Salmon Queen. Salmon scarlet 10
1289 Mephisto. Salmon margined dark brown 10
1290 Mirabilis. (Single Wonder Pink) The petals are
deeply cut into fine strips of threadlike fringes. All
shades from pure white to deep purplish red. ¼ oz. 25c 10
1291 The Bride. White with purple center. ¼ oz. 25c 10
1292 Vesuvius. Bright geranium red ¼ oz. 25c 10
1293 Chinese Single Mixed ¼ oz. 15c 05
1294 Japan Single Mixed. Great range of colors. ¼ oz. 20c 05



DOLICHOS (Hyacinth Bean)



EUPHORBIA Variegata (Snow on the Mountain)



ESCHOLTZIA (California Poppy)

- Dianthus, (Pinks) Single Flowering—Continued** Pkt.
 1295 **Laciniatus Mixed.** Single fringed flowers. $\frac{1}{4}$ oz. 20c \$0 05
 1326 **Vaughan's Special Mixture, Single Pinks.**
 The flowers are extraordinarily large, of handsome form, and embrace the most beautiful colors, ranging from white to the most delicate pink and deep glowing crimson. $\frac{1}{4}$ oz. 30c. 10

Dianthus, Double Flowering

- 1327 **Chinensis Double Mixed.** Blooms in clusters, flowers very double and in a large range of colors. $\frac{1}{4}$ oz. 10c 05
 1328 **Double Salmon.** A beautiful shade. 10
 1329 **Diadematus Double Mixed.** Beautiful flowers in various shades with the outer edges fringed and almost white. $\frac{1}{4}$ oz. 25c 05
 1338 **Imperialis, Double Mixed.** Bushy grower. $\frac{1}{4}$ oz. 20c 05
 1340 **Laciniatus, Double Mixed.** Flowers deeply lacinated
Macrillius Flore Pleno. (Double Wonder Pink).
 Flowers are like fringed balls in many attractive colors
 1341 **Mourning Cloak.** Flowers very dark velvety crimson, each petal being strikingly edged white. $\frac{1}{4}$ oz. 20c 10
 1342 **Fireball.** Scarlet, compact, floriferous. $\frac{1}{4}$ oz. 30c 10
 1343 **Snowball.** Compact, fringed white flowers. $\frac{1}{4}$ oz. 25c 10
 1344 **Midnight.** Double blood-red. 10
 1345 **Brilliant Rose.** A new shade; very pleasing. 10
 1346 **Vaughan's Special Mixture of Double Pinks.**
 Selection of the best double pinks in cultivation.
 Flowers ranging in color through all the brightest and most brilliant shades. $\frac{1}{4}$ oz. 30c 10

- 1350 **Vaughan's Special Mixture of Double and Single Pinks.** This magnificent mixture contains the cream of the Dianthus family and unexpected results may be obtained by planting a package. $\frac{1}{4}$ oz. 30c 10

DIGITALIS (Foxglove) see Perennial Pages.

- 1383 **DIMORPHOTHECA Aurantiaca.** (Golden Star of the Veldt.) \odot 1 ft. Rare and very showy annual from South Africa, having daisy-like flowers of a glossy salmon-orange shade with black central ring, a lovely color when flowers open in the sun. $\frac{1}{4}$ oz. 30c 10
 1384 **Aurantiaca Hybrida.** They vary in color from the purest white to red and bluish, white tints, sulphur, lemon, and bright golden yellow, light orange, reddish-yellow changing to pale salmon rose. 15

Dolichos (Hyacinth Bean) \odot \$ 10 ft.

A rapid-growing annual climber, flowers freely in erect racemes, followed by ornamental seed pods. Sweet scented.

- 1385 **Princess Helen (Daylight).** Snow white flowers followed by silvery white seeds pods. $\frac{1}{4}$ oz. 25c 05
 1386 **Purple Soudan (Darkness).** Attractive rose-violet flowers with dark ruby-purple seed pods. $\frac{1}{4}$ oz. 25c 05
 1387 **Mixed, all colors.** $\frac{1}{2}$ oz. 35c; 1 oz. 20c 05
 1392 **Lignosus (Australian Pea Vine.)** A rapid-growing evergreen climber, flowering freely in clusters of rose pea-shaped flowers. 10

- 1396 **DRACAENA Indivisa \odot 2 ft.** Ornamental leaved Pkt. plants; long narrow, green leaved foliage. \$0 10
 1414 **ERYTHRINA Crista Galli (The Coral Tree.) \odot 4 ft.**
 A grand plant for south walls with protection, and for subtropical gardening. Produces in summer handsome racemes of rich deep scarlet flowers. 15

Escholtzia (California Poppy) \odot 1 ft.

The State flower of California. A bright free-flowering plant of low spreading growth with finely cut silvery foliage. The poppy-like flowers in pure shades of yellow, orange and crimson are produced from early spring until frost. Sow the seed where the plants are to remain.

- 1415 **Alba.** Paper white. 05
 1416 **Californica.** Large pale yellow, $\frac{1}{4}$ lb. 60c; 1 oz. 20c 05
 1418 **Carmine King.** Beautiful carmine rose color, both on the interior and exterior of the flower. $\frac{1}{4}$ oz. 30c 10
 1420 **Canaliculata Rosea.** Beautiful rosy pink flowers. 10
 1421 **Dainty Queen.** Color tender blush or pale coral pink, deeper towards the edges with a ground of delicate cream 10
 1422 **Golden West.** Flowers bright yellow and orange, penciled and blotched. $\frac{1}{4}$ lb. 50c; $\frac{1}{2}$ oz. 20c 05
 1424 **Mandarin.** Inner side of the petals rich orange, the outer side brilliant scarlet. $\frac{1}{2}$ oz. 20c 05
 1425 **Maritima.** Canary yellow with orange center. 05
 1426 **Mikado.** Flowers lustrous orange-crimson, very brilliant 10
 1427 **Rose Cardinal.** Flowers pretty dark rose, inside blush 10
 1428 **Mixed, all colors.** Many shades. $\frac{1}{4}$ lb. 50c; 1 oz. 20c 05
 1429 **Double and Semi-Double Mixed.** $\frac{1}{4}$ oz. 15c 10
 1430 **Vaughan's Special Mixture.** This mixture includes all the varieties here catalogued of the double and single sorts and is the most complete mixture of these charming annuals in existence See also novelties. $\frac{1}{2}$ oz. 75c; $\frac{1}{2}$ oz. 40c 10
 1432 **EUCALYPTUS Globulus (Blue Gum) \odot Admirable**
 for sub-tropical bedding or greenhouse decoration. 10

Euphorbia \odot 2 ft.

Strong growing annuals, for beds of tall growing plants or mixed borders; the flowers are inconspicuous; the foliage, however, is exceedingly ornamental.

- 1436 **Heterophylla (Mexican Fire Plant).** Annual poinsettia resembling in habit and color the beautiful hothouse poinsettia. About mid-summer the center top leaves of each branch turn a vivid orange scarlet. $\frac{1}{4}$ oz. 15c 10
 1437 **Variegata (Snow on the Mountain or Mountain Spurge).** 2 ft. Remarkably distinct plant; very showy with its foliage edged white and green. 10
 1438 **EVERLASTINGS. Mixed \odot 1 to 2 ft.** $\frac{1}{4}$ oz. 15c 10
 1439 **EXECUM affine.** Greenhouse plant 1 to 2 ft. high with numerous bluish line flowers with yellow stamens of a very delicate fragrance. When sown in March or April, blooms from August or September until late in season. Excellent for basket use and may be used like a primula or a begonia. 50



GOMPHRENA

GAILLARDIA *Lorenziana*

GODETIA

Freesias

These are well known for their delightful fragrance. Seeds should be sown in flats and transplanted after the bulb has formed. Will bloom the first year from seed.

- | | |
|--|-------------|
| 1441 Refracta Alba. White..... | Pkt. \$0 05 |
| 1442 Colored Hybrids. Very attractive because of their unique colorings and shadings..... | 15 |

FORGET-ME-NOT.—See *Myosotis*.

FOUR O'CLOCK.—See *Mirabilis*.

- | | |
|--|----|
| 1446 FUCHSIA Hybrida (Ladies' Eardrop), Double and Single Mixed 1 to 4 ft. Well known greenhouse plant, blooms from seed first year if planted early..... | 20 |
|--|----|

Gaillardia (Blanket Flower) 1 1/2 ft.

They will produce from early spring until late fall a continuous profusion of brilliantly colored flowers, red and yellow predominating. Of easy culture, sow where they are to remain.

- | | |
|--|----------------|
| 1447 Amblyodon. Flowers deep red..... | 10 |
| 1448 Picta Single Mixed | 1/4 oz. 15c 05 |
| 1450 Lorenziana Double Perfection Mixed. Large handsome heads of double quilled flowers in rich shades of red and yellow..... | 1/4 oz. 20c 05 |
| 1462 GAURA Lindheimeri 3 ft. A graceful plant bearing numerous spikes of rosy white flowers from July until frost..... | 10 |

Geranium 1 1/2 to 2 ft.

These grow readily from seed the first year and produce blooming plants the first summer. There is a great deal of pleasure in watching them develop from seed, and there is always the chance of thus securing something new.

- | | |
|---|--------------|
| 1465 Zonale Varieties. Saved from a choice collection..... | 10 |
| 1466 Large Flowering, Newest Varieties Mixed. | 50 seeds 15 |
| 1467 Apple-scented. Leaves fragrant..... | 25 seeds 10 |
| 1468 Lady Washington (Odlor). Large flowering, beautifully blotched..... | 15 seeds 25 |
| 1469 GERBERA Jamesoni Hybrids. 3 ft. The flowers bear long graceful petals with small eye. This strain comprises a great variety of pleasing shades..... | 25 seeds 25 |
| 1469a GLADIOLUS, Many Varieties Mixed. Can be grown to produce flowers first year if sown early and will make splendid bulbs for second year blooming..... | 10 |
| 1470 GILIA Mixed 1 ft. Exceedingly graceful early flowers and valuable for bees. Charming in the flower border and for cutting in spring and summer..... | 1 oz. 20c 05 |
| 1471 Capitata. 2 feet. Erect habit, plants one foot in diameter; flowers lavender blue. The blossom is like a small scabiosa and should prove a good cut flower..... | 10 |
| 1472 GLOXINIA. Vaughan's International Mixture 12 in. Magnificent house blooming plants, with handsome bell-shaped flowers in the diversity of the richest colors..... | 25 |
| 1473 Fine Mixture. | 10 |

Godetia 1 1/2 ft.

An attractive hardy annual, deserving more extensive cultivation. The plants bloom profusely and bear showy flowers of satiny texture in many rich and varied colors. They do best in a rather poor soil.

- | | |
|---|---|
| 1474 Duchess of Albany. Pure white..... | 1477 Lady Satin Rose. Bright carmine. |
| 1475 Gloriosa. Deep blood-red..... | 1478 The Bride. White and red. |
| 1476 Rosamunde. Fiery rose..... | 1481 Double Mixed. Pkt. 1/4 oz., 25c. \$0 10 |
| 1480 Double Rose. Each of the above..... | |
| 1479 Many Sorts and Colors Mixed. 1/2 oz. 25c 05 | |
| 1482 Dwarf Sorts Mixed. Neat globular, about 10 in. in height..... | 1/4 oz. 25c 10 |

Gomphrena (Globe Amaranth)

A showy annual everlasting with clover-like heads.

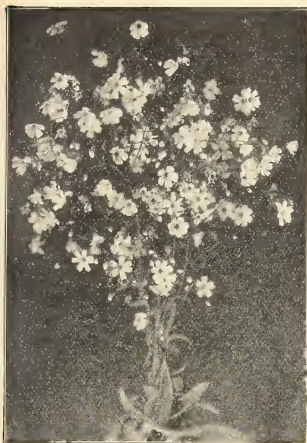
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|---|--|-----------------------|
| 1483 Globosa Alba. White. Each of the above..... | 1484 Rubra. Red. 1/4 oz. 15c 05 | 1484a Pink. 10 |
| 1486 Mixed, all colors. | | |

Gourds 20 ft.

These are desirable in many places where an immense amount of vine is wanted quickly. Most sorts are good for 20 to 30 feet in a season and the blooms of some are quite striking and handsome. With many sorts the fruit is unique and ornamental and often useful. The small fancy gourds are excellent toys for children, while the larger gourds may be used as dippers, sugar troughs and bowls.

- | | |
|--|----|
| 1487 Apple-shaped. Beautifully striped..... | 05 |
| 1488 Bottle. The original Thermos bottle. Used by the pilgrims in the orient..... | 05 |
| 1489 Calabash or Pipe Gourd. Odd-shaped fruit which is used to an advantage in making pipes..... | 10 |
| 1490 Dipper. Makes an excellent dipper..... | 10 |
| 1491 Dishcloth or Towel. Many women prefer a dishcloth made of this Gourd to anything else, as it is always sweet and clean as long as any part of it is left..... | 05 |
| 1492 Hercules Club. Fruit grows 3 to 4 ft. long..... | 05 |
| 1493 Gooseberry. Gooseberry-shaped fruit..... | 10 |
| 1494 Japanese Nest Egg. Fruit looks exactly like a hen's egg and may be used as nest eggs..... | 05 |
| 1495 Knob Kerrie. To the ball-like base is attached a slender handle or stem, 2 to 3 feet in length. While developing they are deep green in color, changing as they mature to a richly mottled yellow..... | 10 |
| 1496 Orange. The well known Mock Orange..... | 05 |
| 1498 Ornamental Pomegranate or Queen's Sweet Pocket melon. Fruit deliciously perfumed and may be carried in the pocket or laid among linens..... | 05 |
| 1500 Fear Shaped. Striped yellow and green..... | 05 |
| 1502 Sugar Trough. Thick shells, very durable..... | 05 |
| 1504 Spoon. Small ball-shaped fruit with slender necks, deep orange. By slicing off a part of the side of the bowl a satisfactory spoon may be made..... | 10 |
| 1505 Turk's Turban. Odd brightly colored fruit..... | 05 |
| 1506 Small Fruited Varieties Mixed. 1 oz. 35c; 1/2 oz. 20c 05 | |
| 1510 Mixed, all varieties. 1 oz. 30c; 1/2 oz. 20c 05 | |





GYP SOPHILA—Angel's Breath



HELICHRYSUM (Straw-Flower)



HELIOTROPE—Mammoth Flowered

- 1515 **GRASSES—Ornamental Mixed** \odot 2 to 5 ft. These are Pkt.
most useful for winter bouquets when combined with
Everlasting flowers. They are easily grown in any soil. \$0.10

Grasses, Ornamental, see *Agrostis Nebulosa*, *Briza Maxima*; *Coix*
Lachrymase, *Cyperus Alternifolius*; *Pennisetum Longistylum*; *Pennisetum*
Rueppellianum; *Zea Japonica*.

- 1520 **GREVILLEA Robusta** (Silk Oak) \hookleftarrow 1 to 5 ft. It is
easy to manage, grows rapidly from seed, and is pretty
in all stages of growth; with its long drooping silky
foliage it reminds one of a palm or fern. 10

Gypsophila \odot 2 ft.

Graceful plants of light fairy-like growth. Much in demand for cutting
and combining with other flowers for bouquets and vases.

- 1522 **Elegans Grandiflora Alba** (Angel's Breath). This
is an improved, large-flowering, pure white, of free,
easy growth. Several sowings should be made during
the season to keep up a supply. . . . oz., 30c; $\frac{1}{2}$ oz. 20c 05
- 1523 **Elegans Carminea** 05
- 1524 **Elegans Rosea**. Soft pink. 05
- 1525 **Muralis**. 6 in. A lovely little rock or edging plant
with rose-pink flowers. $\frac{1}{4}$ oz. 25c 10

Helianthus (Sunflower) \odot

These comprise plants of majestic growth and immense showy flowers,
suitable for shrubberies, woodlands, wild gardens and subterpinal gardening;
the dwarfier kinds, with smaller flowers, are charming when grouped in mixed
flower borders. Excellent for cutting.

Large Flowered Tall

- 1526 **Annus Purpureus**, **Gaillardia-flowered** or **Red**
Sunflower. 4 to 8 ft.. Some flowers of a rich chestnut-
red color, others tipped with yellow and others slightly
washed with red. The flowers vary from a few inches
to nearly a foot in diameter, and are of good form,
usually having a small disc, and often two rows of long,
slightly curled rays. 10
- 1527 **Argyrophylus**. 4 ft. Handsome silvery foliage, single
bright yellow flowers enhanced by a black disk, perfect
pyramidal growth. A specimen plant will attain the
shape of a Christmas tree, the flowers having the effect
of candles. $\frac{1}{2}$ oz. 15c 05
- 1528 **Californicus Fl. Pl.** 5 ft. Double dark yellow. 1 oz. 10c 05
- 1529 **Chrysanthemum Flowered Double**. 6 ft. Golden
yellow flowers. 1 oz. 20c 05
- 1530 **Double Mixed**. 1 oz. 20c 05
- 1531 **Globose Fistulosus Fl. Pl.** 6 ft. Double globe or
dahlia sunflower. Flowers a rich saffron color. 1 oz. 20c 05
- 1532 **Primrose Queen Double**. 5 to 6 ft. Large numbers of
medium-sized pale sulphur yellow flowers are produced
on short straight stems. 10
- 1533 **Nanus Flore Pleno**. $2\frac{1}{2}$ ft. Double dwarf, beautiful
for massing in beds. 1 oz. 20c 5
- 1534 **Russian Mammoth**. Single, of gigantic dimensions.
For larger amounts see Farm seed pages. 1 oz. 5c

HELIANTHUS—Continued

Miniature-Flowered Sunflowers

The following varieties of *Helianthus cucumerifolius* form spreading
bushes with small graceful foliage and bear a multitude of small elegantly
formed flowers, which are borne for a long time in succession, and are
invaluable as cut flowers.

- 1535 **Cucumerifolius**. The first introduction of these Pkt.
charming small sunflowers, flowers rich golden yellow
with brown black center. \$0.05
- 1535a **Diadem**. Light lemon. 05
- 1536 **Stella**. Large golden yellow petals, small dark center 05
- 1537 **Orion**. Petals rolled resembling Single Cactus Dahlia 05
- 1538 **Purpureus**. Flowers shades of red and yellow. 05
- 1539 **Double Hybrids**. Double and semi-double flowers. 10
- 1540 **Liliput, Baby Sunflower**. 6 to 8 in. The plants are
of a somewhat creeping growth, similar to those of
Verbenas. Flowers are single, bright yellow, dark disc. 10
- 1541 **Vaughan's Special Mixture**. Includes all the above of
cucumerifolius varieties. $\frac{1}{4}$ oz. 20c 10
- 1542 **Vaughan's Special Mixture** of all the single
and double sunflowers. $\frac{1}{2}$ oz. 25c 10



Helichrysum (Strawflower) \odot 2 to 3 ft.

Helichrysms are an ornament to the garden when growing, and are
everywhere prized for the winter decoration of vases, and for durable
bouquets. Flowers intended for drying should be gathered when partially
unfolded and suspended with their heads downward in a cool place,

- 1546 **Silver Ball**. White. 1550 **Salmon Queen**.
1547 **Fire Ball**. Red. Salmon Pink.
1548 **Golden Ball**. Yellow. 1551 **Violet Queen**. Violet.
1549 **Rose Queen**. Carmine rose.
Each of the above, pkt., 10c.
- 1552 **Mixed, all colors**. $\frac{1}{2}$ oz. 20c 05
- 1553 **Vaughan's Special Mixture**. This mixture
of *Helichrysum* is an improved large-flowered
strain containing many new and exquisite
shades. $\frac{1}{4}$ oz. 25c 15



Heliotrope \hookleftarrow 2 ft.

Heliotrope is a universal favorite on account of its delightful fragrance
and duration of bloom flowering equally well as bedding plants in summer,
or as pot plants in the house during the Winter. Seed sown in the Spring
makes fine plants for bedding out, and are as easily grown as *Verbenas*.

- 1555 **Mammoth Mixed**. Flowers of great size and ranging
in shade from dark blue to lilac. $\frac{1}{2}$ oz. 50c 15
- 1556 **King of the Blacks**. Deep purple, almost black. 15
- 1560 **Fine Mixed**. $\frac{1}{2}$ oz. 25c 10



VAUGHAN'S JAPANESE MORNING GLORIES



HUNNEMANNIA (Bush Escholtzia)



KOCHIA CHILDSII

Hollyhocks (Annual) ☉ 5 ft.

The perennial varieties flower only the second year if grown from seed, these annual kinds, however, bloom the first year, and if sown in the open ground in May, they will be in flower in August, but if started indoors and set out in June, they will bloom in July. They are continuously covered with large flowers in many beautiful colors.

- 1571 **Everblooming Single Mixed.** Large single flowers Pkt. exhibiting every shade known in Hollyhocks ½ oz. 25c \$0 10
1575 **Everblooming Double Mixed.** Double and semi-double 10
(For other Hollyhocks see Perennial List).

Humulus Japonicus (Japanese Hop) ☉ \$20 ft.

Rapid summer climber; the foliage is luxuriant, making a dense covering. It is one of the best plants for covering verandas, trellises, etc. Heat, drought and insects do not trouble it.

- 1580 **Green Leaved.** ¼ oz. 15c 05
1582 **Variegated Leaved.** The large handsome leaves are beautifully variegated, white, green and yellow ¼ oz. 15c 05
1590 **HUNNEMANNIA Fumariaefolia (Bush Escholtzia)** ☉ 1½ ft. The plants grow into a shrubby bush and produce their large cup-shaped flowers 3 in. across on stems 12 in. long. The color is of clear, bright yellow, the petals are broad and crinkled, like crushed satin. The cut blooms keep in water two weeks. Oz., 60c; ¼ oz. 20c 10
1592 **HYACINTH BEAN.** See Dolichos.

- 1595 **ICE PLANT (Mesembryanthemum Crystallinum)** ☉ 6 in. Foliage very ornamental, being covered with ice-like globules, and prized for garnishing; a valuable plant for dry sunny situations on banks, rockwork, old walls and ruins, etc., also for sunny borders. ¼ oz. 15c 05

Impatiens (Zanzibar Balsam) ☉ 1½ ft.

One of the prettiest plants for pot culture and also for out-door planting in a half-shaded situation. Remarkable for its long duration of bloom. It is very charming for winter blooming.

- 1600 **Holstii.** Of rapid and vigorous growth, and producing large flowers of a brilliant salmon-scarlet. 15
1602 **Holstii Hybrids.** They range in color from pink through the red shades to purplish violet. 15
1610 **IONOPSIDIUM Acaule (Violet Cress)** ☉ 3 in. A lovely miniature rapid-growing and early-flowering plant, forming dense tufts of foliage smothered in tiny pale lilac flowers. ½ oz. 30c 10

Ipomoea ☉ \$ 20 ft.

Beautiful rapid annual climbers. Foliage very dense and in some kinds of remarkable shape. The flowers in their wide range of delicate coloring are poised on slender stems. Many of the sorts open only when the sun rises, others when the sun sets. Some are fragrant. Seeds should be soaked in warm water for 24 hours before sowing to assist rapid germination. The seeds about the size of a pea should be notched with a file before soaking.

- 1615 **Bona Nox (Evening Glory).** Violet flowers. 1 oz. 25c 05
1617 **Coccinea (Star Ipomoea).** Small scarlet flowers in great profusion. ½ oz. 20c 05
1619 **Mexicana Grandiflora Alba (White Moon Flower)** Covered with large white flowers every evening and cloudy day. Seeds should be started inside. ½ oz. 25c 10

IPOMOEA—Continued

Pkt.

- 1620 **Mexicana Grandiflora, Giant Pink.** Soft lilac pink flowers. ½ oz. 30c \$0 10
1622 **Imperialis (Japanese Morning Glory) Fine Mixed.** The Japanese Morning Glory requires a warm situation to do well. The south side of a wall or building where the plants are protected from the north and west winds will mostly be found beneficial for these vines. 1 lb. \$1.00; ¼ lb. 35c; 2 oz. 25c; 1 oz. 15c; ½ oz. 10c. 05
1625 **Vaughan's Special Mixture, Japanese Morning Glories.** The colors run from snow white through all possible shades of blue and red from palest pink to darkest reds and purples. Flowers are streaked, mottled and bordered in wonderful fashion. The leaves are also very handsome; ivy-like and heart-shaped, some are rich green, while others are streaked and marbled with white or yellow. ¼ lb. \$1.00; 1 oz. 30c; ½ oz. 20c. 10
1627 **Learii.** Satiny blue with crimson bars. A good greenhouse climber. 10
1630 **Rochester.** Flowers 4 to 5 in. across, deep violet blue in the throat, blending out to an azure blue, bordered with a wide white band around the edges. ½ oz. 30c 10
1632 **Rubro-Coerulea (Heavenly Blue).** Deep azure blue flowers delicately shading to white towards the center. 10
1633 **Early Flowering Rubra Coerulea.** Sky blue. 15
1635 **Setosa (Brazilian Morning Glory).** The thick stems and leaf stalks are covered with reddish brown hairs. The deeply lobed leaves are about nine inches across; flowers about two inches in diameter, of delicate texture, tinted pink with a five pointed star of satiny pink and are followed by curious seed pods. ½ oz. 25c 10

☞ For other Morning Glories, see Convolvulus.

JOB'S TEARS. See Coix Lachrymae.

KUDZU VINE. See Pueraria.

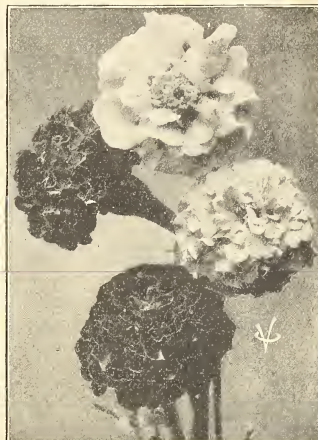
- 1640 **KOCHIA The New Giant (Summer Cypress, Burning Bush.)** ☉ 2½ ft. This beautiful annual bush has rapidly come into prominence. It grows to 2½ feet high and resembles a close clipped ornamental evergreen. The globe-shaped or pyramidal bushes are close and compact, and of a pleasing light green color. The plant may be grown singly or in the form of a hedge or background. In early Autumn the whole bush becomes carmine or blood-red, whence the name of Mexican Fire Plant, Burning Bush, etc. Flowers small and numerous but not conspicuous. The beauty of the plant is in its shape and color. ½ oz., 15c 10
1645 **LANTANA Hybrida. Mixed** ☉ 2 ft. Shrubby plant with Verbena-like flowers in shades of white, red and yellow. May be grown in pots or set out in summer. They have an agreeable aromatic perfume. 10
1646 **Dwarf Hybrids. Mixed** 15



MARIGOLD—Double Tall African



MARIGOLD—Legion of Honor



MARIGOLD—Double Tall French

Lavatera \odot 2 1/2 ft.

The Lavateras or Annual Malloes are showy and effective plants covered during the entire summer with bloom. For large borders and cutting they are very desirable.

- | | | | |
|------|---|---|--------|
| 1654 | Splendens Alba. | Very large silky pure white flowers. | \$0 10 |
| 1655 | Splendens Rosea. | Very large bright rose flowers. | 10 |
| 1657 | LAYIA Elegans (Tidy Tips). | \odot 1 ft. Very beautiful flowers, yellow bordered white, with golden center, profusely produced, for beds and borders, remaining long in beauty. | 10 |
| 1658 | LEPTOSYNE Stilmanni. | 1 1/2 ft. One of the quickest annuals, blooming within five weeks from date of sowing, and the golden-yellow flowers continue in perfection for a long period. Excellent for cutting. | 10 |
| 1659 | Maritima. | 3 ft. Large lemon-yellow Marguerite-like flowers on long stalks. | 10 |
| 1665 | LINUM Grandiflorum Rubrum (Crimson Flax) | \odot 2 ft. One of the most brilliantly colored of summer annuals, flowers glowing crimson-rose, very beautiful in beds and borders, and may be had in bloom from May to October by successive sowings. | 05 |

Lobelia Erinus Compacta \odot

This charming class forms compact little bushes about 6 inches high and are fairly sheeted with bloom throughout the season. Highly desirable for edging, ribbon bedding and garden decoration as well as for pot culture.

- | | | | |
|---|---------------------------------|---|----|
| 1675 | Bedding Queen. | Dwarfest, best for ribbon bedding. Flowers deep purplish violet with clear white eye. | 10 |
| 1676 | Crystal Palace Compacta. | Deepest blue, dark foliage. | 10 |
| 1677 | Emperor William. | Clear sky blue with green foliage. | 10 |
| 1681 | Pumila Rosea. | Dwarf pink. | 10 |
| The following varieties are especially effective in hanging baskets or window boxes, where a long drooping effect is desired. | | | |
| 1683 | Speciosa. | True, dark blue, dark foliage. | 10 |
| 1684 | Sapphire. | Large, deep blue flowers with a pure white eye which occupies one-third of the corolla. | 15 |
| 1685 | Mixed colors. | | 05 |

Lupinus \odot 2 ft.

Free flowering, easily-grown annuals, with long, graceful spikes of rich and various colored pea-shaped flowers; valuable for mixed borders, beds and for cutting; prefers a little shade.

- | | | | |
|------|--------------------------------------|---|----|
| 1699 | Hartwegii, White. | Pure white flowers. | 10 |
| 1700 | Hartwegii, Oxford Blue. | Dark blue. | 10 |
| 1701 | Hartwegii, Cambridge Blue. | Light blue. | 10 |
| 1702 | Hartwegii Roseus. | Rose colored flowers. | 10 |
| 1703 | Hybridus Roseus. | A charming rose pink flower. | 10 |
| 1704 | Hybridus Atro-coccineus. | Large spikes of scarlet white-tipped flowers. | 10 |
| 1705 | Tall Annual Varieties Mixed. | | 05 |
| 1706 | Dwarf Annual Varieties Mixed. | 1 ft. | 10 |

(See also Perennials).

MALOPE (Mallow-wort) \odot 2 ft. Showy plants for large mixed flower and shrubby borders. The flowers are large and handsome.

- | | | | |
|------|--------------------------|--|----|
| 1708 | Grandiflora Alba. | Large white flowers. | 10 |
| 1709 | Rosea. | Flowers large, bluish, shaded pink towards center. | 10 |

Marigold (Tagetes) \odot

In late summer, when many bedding plants are past their prime, Marigolds afford a wealth of color that is simply invaluable. The African varieties produce large self-colored blossoms on tall plants; the French are smaller, but the colors and markings are very interesting, some of the varieties being elegantly striped and spotted. The Single French and the Dwarf Single French Marigolds hold the chief place in the class.

Double Tall African Varieties 5 ft.

- | | | | |
|-------|--|--|----|
| 1722 | Eldorado. | Extremely large and imbricated double flowers in yellow shades. | 10 |
| 1723 | Lemon Queen. | | 10 |
| 1724 | Orange Queen. | | 10 |
| 1725 | Tall African Mixed. | Large double flowers. | 05 |
| 1726 | Tall French Mixed. | Large bushes covered with a multitude of small double flowers. | 05 |
| 1727 | Vaughan's Special Mixture Tall Marigolds. | This mixture includes several varieties which we purchased especially for this mixture. A packet will give you flowers of enormous size in a wonderful assortment of color in shades of yellow, cream, orange, rusty brown, old gold, etc. | 10 |
| 1727a | Tall French Striped. | Flowers have a yellow ground, with rich brown markings. | 10 |

Double Dwarf African

- | | | | |
|------|------------------------------------|--|----|
| 1728 | Mixed (Pride of the Garden) | 15 in. Immense golden yellow flowers, compact dwarf habit, forming dense bushes. | 10 |
|------|------------------------------------|--|----|

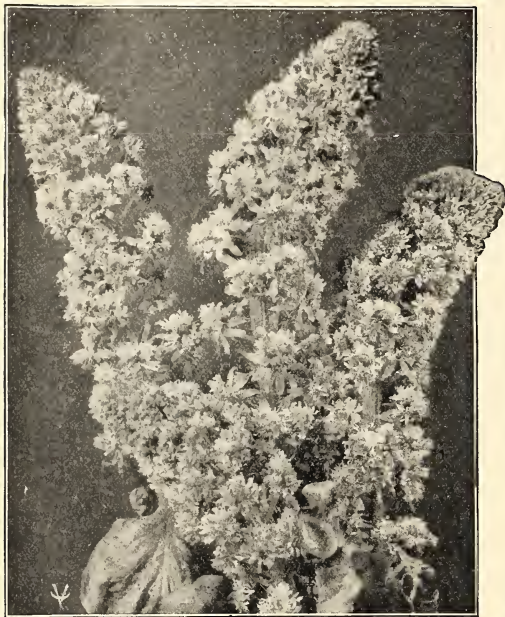
Dwarf French Double Sorts 10 in.

- | | | | |
|------|---|--|----|
| 1731 | Gold Striped. | Velvety maroon, striped gold. | 10 |
| 1732 | Dwarf French Double Mixed. | Low bushes covered with small flowers. | 05 |
| 1735 | Vaughan's Special Mixture of Dwarf Marigolds, Double and Single varieties. | These dwarf compact strains are very attractive, each plant being covered with hundreds of small bright flowers. | 10 |

Single Dwarf Varieties

- | | | | |
|------|-------------------------|--|----|
| 1736 | Gilt Edge. | Velvet maroon, edged with yellow. | 10 |
| 1737 | Golden Star. | Flowers have golden yellow petals with purple red streaks radiating from the center. | 10 |
| 1746 | Legion of Honor. | Flowers rich golden yellow, marked with velvety brown, best for edging. | 05 |
| 1747 | Silver King. | Light sulphur-yellow with brown spots. | 10 |
| 1748 | Signata Pumila. | A dwarf, compact, bushy plant, with beautiful, delicate, fern-like leaves, densely covered with flowers of bright golden-yellow. | 10 |

MARVEL OF PERU. See Mirabilis.

**MIGNONETTE—Vaughan's Giant Machet**

- 1749 **MATRICARIA Capensis** (Feverfew). \odot 3 ft. Neat, Pkt small, double white flowers, well adapted for bedding and cutting. They are perennials in mild climate, but in our latitude are treated best as annuals. \$0 10
- 1750 **Eximea, Golden Ball**. 1 ft. Of compact habit, suitable for edging, with very striking double yellow flowers 10
- 1751 **MATTHIOLA Bicornis** (Evening-scented Stock.) \odot 15 in. The flowers in the morning, evening, and after a shower emit a delicious perfume perceptible at a considerable distance. . . . lb. \$2.00; 1 oz. 20c 05
- 1752 **MAURANDIA Mixed** \odot $\frac{1}{2}$ 10 ft. Slender grower and abundant bloomer very desirable for greenhouse and garden. Elegant Gloxinia-like flowers which range through white, rose, blue and purple in color. . . . 10
- 1754 **MELOTHRIA Punctata** \odot $\frac{1}{2}$ 10 ft. (Musk Vine). Blooms in clusters, flowers small, white and star shape, with a strong musk fragrance, leaves green, small and glossy. May be cut down to 6 inches after summer's growth, potted and taken inside. Fruit resembles tiny watermelons 10

Mignonette (Reseda) \odot 6 to 12 in.

No garden is complete without this fragrant plant of unassuming mien. One of the principal uses is for cutting purposes and combining in bouquets with other more pretentious blossoms without its delicate odor.

- 1755 **Bismarck**. The red flowers are larger in every way than those of other sorts, the spikes are very dense, its foliage is distinct, being crinkly, while its odor is strong and most delicious. . . . $\frac{1}{2}$ oz. 20c 05
- 1757 **Golden Queen**. Yellow. . . . $\frac{1}{2}$ oz. 20c 05
- 1758 **Goliath**. Foliage rich green, with bright red flowers. Flower stalks tall and strong, spikes often 7 in. long by 2 in. in diameter. . . . $\frac{1}{2}$ oz. 20c 10
- 1760 **Grandiflora**. Large flowered. . . . $\frac{1}{4}$ lb. 50c; 1 oz. 20c 05
- 1761 **Giant White Spiral**. Flowers silvery-white. $\frac{1}{4}$ oz. 15c 05
- 1762 **Machet**. It is the best Mignonette for all purposes either outside or inside. It is an ever-bloomer, the flowers lasting until late in the fall. . . . $\frac{1}{4}$ oz. 25c 10
- 1766 **Pyramidal Large-Flowering**. Tall-growing variety. 05
- 1767 **White Pearl** 10
- 1770 **Mixed**. Many shades and types. . . 1 oz. 25c; $\frac{1}{2}$ oz. 15c 05
- 1772 **MIMOSA Pudica** (Sensitive Plant) \odot 1 ft. Curious and interesting, pinkish-white flowers; the leaves close and droop when touched or shaken 05

- 1773 **MIMULUS Moschatus** (Musk Plant) \odot Musk-scented Pkt. leaves, tiny yellow flowers \$0 15
- 1774 **Tigrinus** (Monkey Flower). \odot 10 in. **Queen's Prize Single Mixed**. Dwarf bushy plants, with large, gloxinia-like flowers ranging in color through white, pale yellow, golden, flesh, rose, crimson and maroon; handsomely blotched and striped. Does best in partial shade. . . . 10
- 1775 **Tigrinus Fl. Pl.** (Double Monkey Flower) mixed . . . 10
- 1778 **MINA Lobata** \odot $\frac{1}{2}$ 12 ft. A climber of luxurious growth with tube-shaped flowers, produced in greatest profusion. In color they are particularly attractive, the buds being first bright red, but changing through orange yellow to creamy white when fully expanded. . . . 10
- MORNING GLORY**. See Convolvulus and Ipomoea.
- MORNING BRIDE**. See Scabiosa.

Mirabilis \odot 2 ft.**(Marvel of Peru or Four O'Clocks)**

This is another good old-fashioned flower of bushy habit, bearing hundreds of flowers during the season, of white, yellow, crimson and violet. Some varieties combine two or more of these colors in spots, flakes and splashes in such a manner as to give the flowers a most bizarre effect.

- 1780 **Mixed, all sorts and colors** $\frac{1}{4}$ lb. 40c; 1 oz. 15c 05
- 1784 **Dwarf Mixed**. 12 in. 1 oz. 20c 05
- 1785 **Sweet-Scented** (Longiflora Alba). White. . . 1 oz. 30c 05
- 1786 **MUSA Ensete** (Banana Plant). \odot 6 ft. A splendid plant for the open air in summer, producing a most striking effect when planted singly or in groups. The seeds must be started in hot-bed or on bottom heat in greenhouse. 10 seeds 20

MUSK PLANT. See Mimulus.

Myosotis—Forget-Me-Not \odot $\frac{1}{2}$ to 1 ft.

They are considered among the best spring flowers and grouped with Pansies and Daisies the most lovely combinations may be obtained. The tall varieties are of trailing habit and adapted to covering large patches, which they transform into a sea of blue. Responding to good treatment and flourishes in shady, moist, situations. The national flower of Belgium.

- 1787 **Alpestris Blue**. Trailing habit. . . . $\frac{1}{2}$ oz. 15c 05
- 1788 **Alba**. White. $\frac{1}{2}$ oz. 15c 05
- 1789 **Rosea**. Pink. $\frac{1}{2}$ oz. 15c 05
- 1790 **Eliza Fonrobert**. Flowers large, sky blue, with clearly defined white eye. $\frac{1}{2}$ oz. 20c 10
- 1791 **Victoria**. The flowers are large bright azure blue, with yellow centers. The plants form neat bushes completely covered with blooms. Best for edging. . . . 10
- 1792 **Mixed** $\frac{1}{2}$ oz. 15c 05
- 1793 **Ruth Fisher**. It is of particularly neat and compact habit, and the lovely blue flowers shoot up strongly over the glossy dark green foliage. 25
- 1794 **Star of Love**. Distinct variety with large, beautiful blue flowers. 25
- 1795 **Vaughan's Early and Late Flowering**. The flowers are borne on long, stiff stems. The blossoms are the most exquisite sky blue with a delicate white center. Plants may be in bloom at any time of the year. 10

**Nemesia \odot 1 ft.**

Free blooming dwarf bushes for pot culture and open borders. Sow in spring under glass, and transplant; or sow out of doors in May, in patches, where they are intended to flower.

- 1800 **Large Flowered Mixed**. 1 ft. Is the finest strain of this most popular flower, both for size and massive build of the individual flowers, also for the richness and variety of colors. 10
- 1801 **Blue Gem**. One of the best blue annuals for bedding. 7 inches. 10
- 1802 **Scarlet** 15
- 1803 **Orange** 15

Nemophila (Baby Eyes) \odot 6 in.

Hardest of annuals, and of the easiest culture. Makes a very effective front row to a bed or border, and should be sown out of doors in spring, in patches, where they are to flower.

- 1916 **Insignis Blue**. A popular plant for pots or borders. 1 oz., 40c; $\frac{1}{4}$ oz. 15c 05
- 1919 **Mixed, all colors**. Cup-shaped flowers in many bright colors, the blue shades being particularly attractive. $\frac{1}{2}$ oz. 15c 05

DWARF NASTURTIUMS

They are suitable for bedding and edging, grow quickly and furnish the greatest abundance of long lasting, sweet-scented cut flowers. Sometimes it is desirable when carrying out a color scheme to use but one variety of Dwarf Nasturtium for an edging. Empress of India is particularly good when used in this way as the dark leaved plants are of an even height and the flowers are in rich velvety red.

Green and Dark Leaved Varieties

- 2305 **Aurora.** Chrome yellow blotched crimson
- 2306 **Beauty.** Scarlet splashed canary.
- 2307 **Bronze.** Burnt bronze color, dark leaved.
- 2308 **Chameleon.** Is unique in bearing flowers of quite distinct coloring on one and the same plant.
- 2309 **Crystal Palace Gem.** Sulphur spotted maroon.
- 2310 **David Burpee.** Velvety purple-scarlet flowers, foliage wavy emerald green.
- 2311 **Empress of India.** Very dark leaves, crimson flowers.
- 2312 **Golden King.** Pure golden yellow.
- 2313 **King of Tom Thumbs.** Intense deep scarlet dark foliage.
- 2314 **King Theodore.** Velvety red flowers, dark foliage.
- 2315 **Lacinium Mixed.** The flowers are deeply laciniated and appear in many attractive colors.
- 2316 **Lady Bird.** Orange, striped bright scarlet.
- 2318 **Pearl.** Creamy white.
- 2319 **Prince Henry.** Yellow marbled with scarlet.
- 2320 **Regelianum.** Rich crimson.
- 2321 **Ruby King.** Ruby red, dark leaved.
- 2322 **Scarlet.** Dark scarlet.
- 2323 **Vesuvius.** Salmon, dark leaved.
- 2324 **Yellow.**

Price, any of above: Pkts., 5c; oz., 15c; ¼ lb., 40c; lb., \$1.40.

Fancy and Variegated Leaved Varieties

- 2325 **Golden Cloth.** The foliage is of bright yellow, while the flowers are intense scarlet.
- 2326 **Ivy Leaved Mixed.** Deep green leaves of distinctive ivy form. The flowers are beautifully fringed at the edge of the petals and at the throat.

Price, each of above: Pkt., 5c; oz., 15c; ¼ lb., 50c.



Fancy and Variegated Leaved Varieties—Continued.

- 2328 **Queen of Tom Thumbs, Mixed.** Pkt.
 - 2329 **Spencer, Mixed.** The curly foliage is very unique and the flowers appear in many bright colors.
- Price, each of above: ¼ lb. 50c; oz. 15c \$0 05
- 2330 **Dwarf Mixed.** 1 lb. \$1.00; ¼ lb. 30c; 1 oz. 10c 05
 - 2336 **COLLECTION No. 1 OF DWARF NASTURTIUMS, 10 VARIETIES.** Our choice.....1 pkt. of each 35c
 - 2337 **COLLECTION No. 2 OF DWARF NASTURTIUMS 8 VARIETIES.** Our choice.....1 oz. of each \$1.00

ONE OUNCE

of Nasturtium will plant a bed 20 feet in diameter and will make a better display for three months than almost any other plant.

2335 **Vaughan's Special Mixture of Dwarf Nasturtiums.** Dwarf Nasturtiums are most admirably adapted to beds and borders. Vaughan's Special Mixture of Dwarf Nasturtiums will give a larger variety of colors in even proportions than any other Nasturtium mixture, for it is put up by ourselves from named sorts, and also contains a large share of the Liliput Nasturtium and of the dwarf Chameleon which have the richest and most varied combination of colors ever produced, showing odd colors hitherto unknown among flowers. 1 lb. \$1.50; ¼ lb. 45c; 1 oz. 15c; pkt., 10c

The Nasturtium seed pods when green may be used in making pickles.



Nicotiana (Sweet Scented Tobacco Plant.) 2 ft.

One of the easiest annuals to raise and one of the most effective. The blossoms in shape are not unlike a Fuchsia blossom, but with a longer tube. The flowers open toward evening and emit a powerful perfume. Pkt.

- 1920 **Affinis.** Produces an abundance of large, pure white flowers of delicious fragrance. If taken up in the fall and cut back and potted, they will bloom all winter \$0 05
- 1925 **Affinis Hybrida.** Splendid hybrids in blue, red and rose, etc., shades ½ oz. 15c 05
- 1926 **Sanderæ.** A lovely hybrid tobacco of elegant branching habit, and bearing on light graceful stems great quantities of very beautiful rose carmine flowers; a valuable border plant, from summer to autumn ½ oz. 15c 05
- 1928 **Sanderæ Hybrids.** All shades ½ oz. 15c 05
- 1930 **Sylvestris.** 4 ft. A noble-looking plant of pyramidal habit, with long tubular pure white flowers borne in dense panicles, and possessing the merit of remaining fully expanded throughout the day as well as in the evening..... ¼ oz. 15c 05
- 1931 **NIEREMBERGIA Gracilis** 6 in. Flowers white, shading to and veined lavender, an exceedingly graceful plant for hanging baskets, rockwork, etc 05

- 1932 **NIGELLA Mixed. (Love-in-the-Mist)** 1½ ft. A Pkt. compact, free-flowering plant with finely cut foliage, curious looking seed pods; of easy culture, growing in any garden soil. Blue and white mixed 1 oz. 15c \$0 05
- 1934 **Miss Jekyll.** A lovely variety, bearing on long stems large deep blue flowers. Very effective if planted with Escholtzias ½ oz. 25c 10
- 1936 **NOLANA Mixed** 9 in. Pretty trailing plant, useful for edging or rock work 10
- 1937 **NYCTERINIA Capensis** 9 in. Charming little plants for pots, edgings, and rock work. White with maroon, delightfully fragrant, flowers opening at night..... ½ oz. 25c 10
- 1950 **OENOTHERA (Evening Primrose). Mixed.** 1½ to 2 ft. Neat plants, with large, saucer-shaped flowers, white or golden yellow; open at dusk; emit a delightful perfume..... ¼ oz. 15c 05
- 1951 **Mexicana Rosea.** Bright rose 10
- 1955 **OXALIS Rosea** 8 in. An excellent little plant for edging or pots; blooms all summer in the greatest profusion; flowers dark rose and delicate pink 01
- 1956 **Tropaeoloides.** 3 in. Yellow flowers, rich brown foliage..... 10

What are you going to do with your backyard this summer? Let it remain a forbidding desolate looking place? Or, by investing a few dollars and a little effort, raise flowers which will brighten it up and make it healthful as well as beautiful?

TALL NASTURTIUMS

© 8 to 10 ft.

Few plants are so useful or rich in color as the Nasturtiums. They surpass the Geranium and Calceolaria in brilliancy of color and profusion of bloom; they should be given a dry poor soil, as on a rich or manured ground they are inclined to run to leaf. Where such is the case, lime rubbish should be mixed with the soil. The sorts we enumerate are the most decorative and beautiful of all.

Lobb's Nasturtiums 6 ft.

This class is remarkable for the intensely brilliant colors of its flowers, which are a trifle smaller than those of other sorts. In moderately rich soil they climb higher and bloom brilliantly.

- 2356 **Black Prince.** Velvety black flowers, dark foliage.
 2358 **Blushing Beauty.** Ivy leaved. Flowers soft yellow, spotted with terra cotta.
 2359 **Cardinal.** Scarlet flowers, dark foliage.
 2361 **Firefly.** Foliage rich and dark, flowers rosy salmon underlaid with bright golden yellow.
 2362 **Flamingo.** Magnificent laciniated orange flowers.
 2363 **Giant of Battles.** Sulphur with red.
 2364 **Golden Queen.** Pure golden orange.
 2365 **King of the Blacks.** Black-red, dark leaves.
 2366 **Napoleon III.** Golden yellow spotted with brown.
 2368 **Princess Victoria Louise.** Flowers cream-white with orange-scarlet blotches, the calyx and spur being of a pure orange-red.
 2369 **Queen Emma.** Variegated leaves, deep scarlet flowers.
 2370 **Queen of the Morning.** Variegated leaves, flowers aurora colored.
 2371 **Virchow (Rose Queen).** The best pink.
 Price, each of the above.....oz. 15c; pkt. 5c Pkt.
 2372 **LOBB'S MIXED.** The strongest growing, attaining the greatest height1 lb. \$1.10; ¼ lb. 35c; 1 oz. 10c \$0 05
 2373 **TALL MIXED, all sorts**1 lb. \$1.00; ¼ lb. 30c; 1 oz. 10c 05
 2374 **COLLECTION No. 3 TALL NASTURTIUMS, TEN VARIETIES.** Our choice (ten packets) .1 pkt. of each, 35c
 2375 **COLLECTION No. 4 TALL NASTURTIUMS, EIGHT VARIETIES.** Our choice (eight ounces) .1 oz. of each, 50c

Ivy-Leaved Nasturtiums

All with fine frimbriated petals. Colors intense and very striking. Foliage also very beautiful, like Ivy, and vines exceedingly graceful. For the garden they are superb, but for window culture they are very fine.

- 2377 **Ivy-leaved Tall Mixed.** Climbing..... 10

Green and Dark-Leaved Varieties

- 2338 **Chameleon.** Is unique in bearing flowers of quite distinct coloring on one and the same plant.
 2339 **Dunnett's Orange (Sunlight).** Bright orange flowers.
 2340 **Edward Otto.** Brownish lilac.
 2341 **Fordhook Fashion.** Terra cotta on yellow ground, dark leaved.
 2341a **General Jacqueminot.** Rich crimson.
 2342 **Heinemanni.** Chocolate color, odd.
 2343 **Hemisphericum.** Orange.
 2344 **Jupiter.** Large, rich golden yellow flowers.
 2345 **King Theodore.** Rich deep crimson flowers; dark leaves.
 2346 **Pearl (Moonlight).** Creamy white.
 2347 **Prince Henry.** Light yellow, marbled scarlet.

Price, each of the above, pkt. 5c; oz. 15c

- 2348 **Shillingi.** Bright yellow with maroon blotches.
 2349 **Scheuermanni.** Straw color, spotted.
 2350 **Schultz.** Rich deep scarlet.
 2351 **Twilight.** Bright yellow, marbled salmon rose.
 2352 **Vesuvius.** Salmon rose, dark leaved.
 2353 **Von Moltke.** Ruby red.

Price, each of the above, pkt. 5c; oz. 15c

Fancy and Variegated-Leaved Varieties

- 2354 **Golden Cloth.** Scarlet flowers with yellow foliage.
 2355 **Variegated-Leaved Varieties.**

These are of the trailing and climbing class with exquisitely beautiful foliage and very showy flowers. Leaves light green, beautifully marbled and blotched with pure white. Makes a striking vine with its bright blossoms of many colors.

Many colors mixed..... 10

<p>Special Offer 2385 1 pkt. each Nasturtium, Vaughan's Special Tall and Dwarf Mixture, 15c.</p>	<p>2380 Vaughan's Special Mixture of Tall Nasturtiums. We call especial attention to this mixture. In it will be found all the choicest colors of all the tall Nasturtiums, the rich, velvety Lobb's varieties, Canary Bird Creeper and the new variegated-leaved varieties. 1 lb. \$1.50; ¼ lb. 40c; 1 oz. 15c..... 10</p>	<p>Special Offer 2390 1 oz. each Nasturtium, Vaughan's Special Tall and Dwarf Mixture, 25c.</p>
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- 2592 **PASSIFLORA Coerulea Grandiflora (Passion Flower)** Pkt.

© \$ 15 ft. **Southern Beauty.** A beautiful vine for greenhouse and window. Few effects are more charming than the Blue Passion Flower covering a greenhouse wall with its rich green foliage and sky-blue flowers, followed later by an abundance of handsome fruit \$0 10

- 2593 **Gracilis.** Blue and white..... 10

- 2595 **PENNISETUM Longistylum** © 2½ ft. An Abyssinian Pkt.
grass with long feathery bearded bristles. ½ oz. 30c \$0 10

- 2596 **Rueppelianum.** The spikes are longer and more graceful. Used to border canna beds. ¼ oz. 20c 10

- 2597 **PERILLA Nankinensis** © 1½ ft. Valuable foliage plant resembling Coleus, dark mulberry-colored leaves. Seed germinates slowly..... 05



A leaflet "How to Grow Pansies" is included in all orders for Pansy seed if asked for when ordering.

There is no better mixture of Pansies than "Vaughan's International."

Vaughan's Pansies

		Pkt.			Pkt.
2500	Adonis. Light blue with white center.	\$0.15	2519	Pink. Fineshades of pink, same as Hydrangea.	1/2 oz. 50c \$0.15
2501	Auricula Colors. Metallic shades.	15	2521	Pinkster McKinley. Five blotched yellow.	15
2502	Azure Blue. A beautiful shade of sky-blue.	15	2523	Purple. Very large, rich deep purple.	15
2503	Beaconsfield. Upper petals light lavender, lower ones a deep rich purple.	1/2 oz. 50c 15	2524	Prince Bismarck. Light brown colors.	15
2504	Boulogne Giant Mixture. The flowers are of the largest size, great substance, fine form and are borne on particularly strong stems. They are mostly 3 and 5 blotched, delicately veined, rich colors. 100 seeds.	50	2525	Pretiosa. Each petal has a large blotch of deep violet on crimson background, with white edge.	15
2505	Bugnot. Shades of red, bronze and reddish cardinal.	20	2526	Rosy Morn. A bright purplish crimson margined with a clear white edge.	15
2506	Cassiers 3 and 5 Blotched Mixed. Mostly light shades with dark blotches.	1/2 oz. 60c 20	2526a	Ruby Red.	15
2507	Coal Black. A jet black of truly giant size.	20	2527	Striped. Mahogany, striped and flaked white.	15
2507a	Colossa Venosa. Light, veined shades, large flowers.	20	2528	Trimardeau. Mixed.	1/2 oz. 40c 10
2507b	Emperor Francis Joseph. Pure white, large blotch of brilliant violet blue on each petal.	20	2528a	Victoria. Claret red.	15
2508a	Emperor William. Dark navy blue.	1/2 oz. 50c 15	2529	Violet Blue. A very pleasing shade.	1/2 oz. 40c 15
2508b	Fiery Fancies. Yellow and red.	15	2529a	Volcano. Deep red with five large blotches, very fine.	20
2509	Mad. Perret. Lovely shades of pink and rose.	1/2 oz. 50c 15	2530	Pure White. Pure white without blotches.	1/2 oz. 50c 15
2510	Marechal Niel. Delicate pleasing, cream color.	15	2531	White, With Eye. Very large.	1/2 oz. 45c 15
2511	Masterpiece (New Giant Curled or Spencer Pansies) The petals are crimped and curled so the flowers appear double.	1/2 oz. 70c 25	2532	Pure Yellow. Golden yellow without blotches.	1/2 oz. 50c 15
2512	Orchid Flowered, Andromeda. Delicate apple-blossom	20	2533	Yellow, With Eye. Immense flowers.	1/2 oz. 45c 15
2513	Almond Blossom. Delicate rose.	20	2534	Chicago Parks Bedding Mixed. Great diversity of colors, free flowering, blossoms slightly smaller than the Giant sorts.	1/2 oz. 60c; 1/2 oz. 40c 10
2515	Mammoth. An odd combination of light greenish yellow ground, with deep purple blotches.	20			
2517	Orchid Flowered Mixed. Rare light shades, large frilled flowers, very attractive.	15			
2518	Paris Market. An improved strain of Trimardeau, with better flowers and more compact habit.	1/2 oz. 40c 10			

Flag	GIANT PANSIES	Flag
Collection	1 packet each Ruby Red, Pure White, Violet Blue. Prepaid for 35 cents.	
2535	Red, White and Blue, Mixed	Pkt., 20c

2540	Vaughan's Giant Mixture. Embraces, besides most of the above shades and colors, five special strains not listed elsewhere in this catalog and which can be had only in this and our International Mixture of Pansies. It includes the richest reds, coppers and bronzes, together with the most delicate rose pink shadings and the Masterpiece strain with its delicate veining and ruffled petals.	1/2 oz., \$1.00; 1 pkt. 250 seeds, 25c; 125 seeds.	Pkt. 15c
2545	Vaughan's International Mixture. This is, and always has been, literally a World's Best Mixture. While searching for the best in every land, we are not satisfied to accept any mixture simply because of its varied colorings, but flowers must come near a high standard of form which we have set, must be composed of well rounded, perfect shaped flowers, must show a wide range of coloring and markings, must have thick velvety petals with fluted or semi-double edges and must stand erect on good stiff stems with a good healthy growth of plant. While every solid color is represented, there are also all the possible variations of each one of these. 3 pkts. (600 seeds), 65c; 5 pkts. (1000 seeds), \$1.00; 1/2 oz., \$1.75; 200 seeds.		25c



VIOLA Cornuta (Tufted Pansies). 3-6 in.

Flowers all summer from seed sown in early spring, and are valuable for edging beds and borders. Require protection during winter.		Pkt.	2553	Papilio. Flowers soft lavender-purple, lower petals flushed white.	Pkt. \$0.15
2546	Alba. Large white flowers.	\$0.10	2554	Vaughan's Improved Scotch Pansies. Produces flowers with 'faced,' the colors range from pale lavender to deep rich purple, many charming intermediate shades.	25
2547	Admiration. Rich violet blue flowers.	10			
2548	Blue Perfection. Pale blue flowers.	10	2555	Cornuta Mixed.	10
2549	Lutea Splendens. Bright yellow.	10			
2550	Thuringia. Dark blue, with white eye.	10			



PETUNIA
Vaughan's
Special
Single Mixed

Petunia ☉

For freedom of bloom, variety of color and effectiveness these have no equals. If only a little care is bestowed upon them, Petunias will produce their handsome, sweet-scented flowers in their delicate and gorgeous colors throughout the whole summer.

Double Large Flowering Varieties

- 2600 **Vaughan's Mixture of Double Petunias.** This is a mixture of the best, large flowering and fringed double petunias. Seed is saved from plants grown in pots, carefully pollenized and will produce grand flowers. Of course, every one knows only a certain percentage of double flowers may be expected from seed, but our mixture will produce from 20 to 30 per cent of doubles, while the remainder will be choice, large single flowers. The weaker seedlings should be carefully saved, as those invariably produce the finest double flowers 200 seeds \$0.30
- 2600a **Lady of the Lake.** Double white fringed 125 seeds 25
- 2601 **Double Small Flowering Inimitable.** Double small flowering blotched and striped 300 seeds 25
- 2602 **Double Small Flowering Rosa Bonheur.** Dainty flowers of a beautiful clear rose 300 seeds 25

Large Single Flowering Varieties

- 2603 **Balcony Queen.** Rich, velvety violet with white blotches 150 seeds 25
- 2604 **Balcony White.** A beautiful trailing variety 15 25
- 2605 **Brilliant Rose.** 150 seeds 25
- 2606 **Giants of California Mixed.** The flowers are very large and the colors embrace every conceivable shade of crimson, white, violet, lavender, etc. 200 seeds 15

If you have never grown Petunias, try them this year. You will like them. For freedom of bloom and variety of color they have few equals.

PETUNIAS

Large Single Flowering Varieties—Continued

- 2607 **Large Flowering White.** Flowers are large, pure white like other petunias, it blooms all summer. 150 seeds \$0.20 Pkt.
- 2608 **Triumph of the Giants.** The finest strain of single large-flowering Petunias; the flowers often measure 7 inches across; some of its colors cannot be found in any other mixture and nearly all the flowers are veined in contrasting colors 250 seeds 35
- 2609 **Royal Purple.** This makes a beautiful combination if planted with the Large Flowering White. (see above) or 2604 150 seeds 20
- 2610 **Giant Empress.** Lilac blue with purple veins 25
- 2611 **Large Flowering Fringed Mixed.** A superb strain of elegant, finely fringed flowers, measuring over 4 in. in diameter; remarkable variety of color 200 seeds 15
- 2612 **Vaughan's Best Mixture Large Flowering Single Petunias.** This mixture is made by ourselves and includes, besides the Giant Ruffled, all the colors of the large flowering and fringed sorts, and the unsurpassed Superbissima varieties, with their delicately veined throats in various colors, and their truly mammoth flowers. We are positive no other Petunia mixture can produce flowers with as wide a range of colors as **Vaughan's Best** 300 seeds 25



Single Small Flowering Varieties 1½ ft.

- 2613 **Alba.** Pure white ¼ oz. 30c 05
- 2614 **Carmine Rose.** 05
- 2618 **Countess of Ellesmere.** Rose with white throat 05
- 2619 **General Dodds.** Blood-red ½ oz. 25c 05
- 2620 **Howard's Star.** A beautiful free-flowering strain, color crimson-maroon with a clearly defined five-pointed star of blushing white. For bedding, baskets, vases, etc., this is exceptionally fine ¼ oz. 40c 10
- 2621 **Inimitable.** Blotched and striped ¼ oz. 30c 05
- 2622 **Viola.** Violet blue 10
- 2623 **Venosa.** Light red veined 05
- 2624 **Good Mixed.** 1 oz. 80c; ¼ oz. 25c 05
- 2625 **Finest Mixed.** ½ oz. 25c 10

Single Dwarf Varieties

Dwarf, neat, compact bushes covered with a multitude of flowers all summer long, valuable for edging and formal bedding.

- 2631 **Carmen Sylva.** Baby blue with white throat 10
- 2632 **Improved Rosy Morn.** The plants are bushy and compact, the medium size flowers, produced in great abundance throughout the entire summer and fall are of a most pleasing clear pink, contrasted by a broad white throat. A splendid sort for porch boxes, pots and beds 300 seeds 25
- 2632a **Norma.** Blue with white star 10
- 2633 **Rosy Morn, Ordinary Strain** 10
- 2634 **Dwarf Inimitable.** Regular white stars on deep old rose ground. Very effective in masses ¼ oz. 30c 10
- 2636 **Snowball.** A fine compact sort, producing its pure satiny-white flowers throughout the entire season ½ oz., 50c 15
- 2637 **Vaughan's Special Mixture of Dwarf Small Flowering Varieties** includes all the above and many others and will be a revelation to those who plant a packet in furnishing an unending supply of flowers in a most bewildering combination of colors as long as the summer lasts. ½ oz., 40c 10



Phlox Drummondii

The Phloxes are the showiest and most easily raised of all Annuals. We know of nothing which produces such a continuous supply of the most attractive flowers in a most wonderful range of colors. All the tints of the rainbow are represented with all possible variations of stripes, veins and eyes of contrasting shades. Seed should be sown in the ground as soon as danger of frost is over and in a few weeks the beds are a blaze of glory.

Grandiflora Varieties 1 ft.

This section has beautiful, round-petaled flowers, which overlap each other.

2660	Alba. Pure white.	
2661	Alba Oculata. White with dark eye, a good contrast.	
2662	Atro-purpurea. Black brown.	
2663	Brilliant. Rose with dark eye.	
2664	Carnea. Flesh color.	
2665	Chamois rose.	
2666	Coccinea. Fiery scarlet.	
2668	Coerulea Striata. Blue striped.	
2669	Crown Prince. The flowers are large, salmony scarlet.	
2670	Isabellina. Yellow.	
2671	Kermesina Splendens. Vivid crimson, with white eye.	
2673	Gold Star. Pink with gold star.	
2676	Rosea. Pink.	
2681	Violet.	Pkt.
	All the above.....	1/4 oz. 30c; 200 seeds \$0.10
2685	Splendid Mixture.....	1 oz. \$1.25; 1/4 oz. 35c; 250 seeds 10
2690	Drummondii Mixed. Good Mixture. oz. 85c; 1/4 oz. 25c	05
2695	Cuspidata Mixed. Mixture of star-shaped flowers.	
	.....	1/4 oz. 25c 10
2727	Semi-Double Varieties Mixed.....	15

Nana Compacta Dwarf. 8 in.

These are much superior to the other Phloxes for ribbon hedging or borders. The plants grow very symmetrical in neat, little bushes, covered with flowers during the whole summer and fall.

2735	Fireball. Blood-red.....	1/4 oz. 35c 15
2736	Chamois Rose.....	10
2740	Snowball. Pure white.....	1/4 oz. 35c 15
2741	Isabellina. Yellow.....	1/4 oz. 35c 10
2742	Sky-blue with white eye. Fine for edging.....	1/4 oz. 35c 15
2745	Nana Compacta, Mixed, all colors.....	1/4 oz. 30c 10
2750	Cecily. Mixed, all colors. Flowers are of immense size, the coloring very bright and nearly all the blossoms display a white eye. Excellent for borders.	
	Plants grow bushy and compact.....	1/4 oz. 35c 15



PHLOX DRUMMONDII—Vaughan's Special Mixture

- 2760 **Vaughan's Special Mixture Phlox.** Contains all the above varieties and several other strains only to be had in this mixture, and will delight and astonish all with its extensive variety of colors. Over 30 different shades will be produced from a single package. 1 oz. \$1.60; 1/4 oz. 50c; 1/8 oz. 30c.....250 seeds 15c

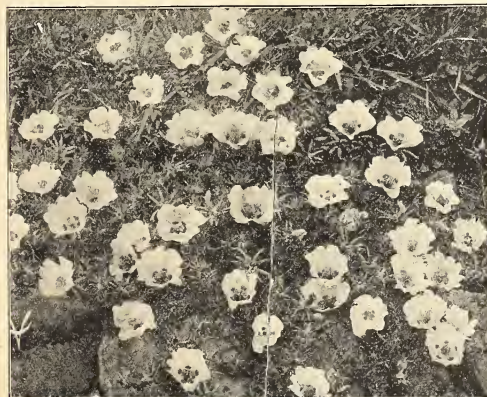


**Flag
Collection**

Phlox



One Pkt. each, Red, White and Violet, Postpaid for **25c**



PORTULACA—Single

Portulaca (Rose Moss) 6 in.

This plant will grow and bloom profusely in a dry, hot situation, where almost any other plant would soon die. Easily transplanted. In sowing mix the seed with dry sand to insure an even distribution. Sow in May when the ground is thoroughly warmed through, and very soon one of the loveliest of floral carpets will appear.

Large Flowering Single

2842	White	2845	Pink	2848	Scarlet	Pkt.
2844	Yellow	Each of the above.....	1/4 oz. 25c			\$0.05
2849	Parana. The flowers are fully twice as large as those of other Portulacas and of the most dazzling purple scarlet, and are producing in the greatest profusion during the entire summer and fall.....	1/4 oz. 25c	10			
2850	Single Mixed.....	1 oz. 70c; 1/4 oz. 20c	05			

Large Flowering Double

2854	White	2855	Yellow	2856	Pink	2858	Scarlet	Pkt.
	Each of the above.....							10
2860	Double Good Mixture.....	1/4 oz. 30c	05					
2865	Double Best Mixture.....	1/4 oz. 50c	10					

The seeds I ordered from you this spring all came up and have been such a satisfaction. My Zinnias are wonderful, everyone thinks. Thinking you for past favors, I am
MRS. MAURICE H. WINN,
Lucerne, Indiana

July 12, 1920



POPPY—Vaughan's Special Double and Single Mixed

Vaughan's Poppies

Poppies are noted for their satiny flowers of silk-like texture, in many brilliant color combinations. The foliage is delicate and the blossoms are airily poised on slender stems. If the flowers are gathered early in the morning when the dew is on them, they will

remain fresh in water all day. Plant the seed in succession two weeks apart for a continuous bloom all summer. Mix seed with sand before sowing so as to distribute the seed thinly and evenly.

Single Annual Poppies

2780	Admiral. Glistening white, with a broad band of Pkt. brilliant scarlet around the edges. ¼ oz. 25c \$0.10
2782	Bride. Very large pure white, perfectly formed flowers 05 California Poppy. See Escholtzia.
2783	Danebrog or Danish Flag. Brilliant scarlet flowers, with a silvery spot on each petal, forming a white cross ¼ oz. 15c. 05
2783a	Flanders Poppy. Vivid scarlet red. Official flower of the American Legion. The choice of the poppy is appropriate, as this flower has in the minds of men been associated for over 200 years with the battle Pkt. fields of Flanders. ½ oz. 35c; 1 oz. 60c; ¼ lb. \$2.00. 10c
2784	Hansa. The flowers have a pure white ground color, passing towards the finely slitted edge to a deep crimson ¼ oz. 15c. 05
2785	King Edward. Flowers deep scarlet, shaded crimson, with a large black blotch at the base of each petal. 05

2786	Mephisto. Scarlet with black spots. Pkt. \$0.50
2787	Persian (Laevigatum or Firedragon). Dark scarlet, black spots. oz. 30c; ½ oz. 20c 05
2788	Tulip (Glaucum). Large tulip-shaped flowers of dazzling scarlet; not unlike a Scarlet von Thol Tulip. 10
2789	Umbrosom. Rich vermillion flowers with a shining black spot on each petal. ¼ oz. 15c 05
2790	Shirley, Silk or Ghost. The beautiful satiny flowers ranging in color from delicate shades of rose, apricot, salmon-pink, and blush to glowing crimson, all with white centers. oz. 30c; lb. \$3.00 10
2791	Miss Sherwood. Flowers shining, satiny white, the half of the corolla being a silky chamois rose. 05
2792	Single Mixed. oz. 20c; lb. \$1.35 05
2795	Vaughan's Special Mixture, Single Poppies. This mixture includes all the above choice Poppies and many other kinds not listed. It is really extra choice ¼ lb. 70c; 2 oz. 40c; 1 oz. 25c. 10

Double Annual Poppies

2800	American Flag. Flowers very large, snow white, scarlet Pkt. bordered. ½ oz. 20c \$0.05
2801	Fairy Blush. The flowers have the effect of large feathery balls, overcast with a rosy shade. ¼ oz. 20c 10
2802	Giant Double Pure White. ¼ oz. 20c 10
2803	Giant Double Pale Yellow. ¼ oz. 20c 10
2804	Giant Double Pink. ¼ oz. 20c 10
2805	Giant Double Cardinal Red. ¼ oz. 20c 10
2807	Giant Double Lilac. ¼ oz. 20c 10
2807a	Giant Double Salmon. 10
2807b	Giant Double Heliotrope. 10
2807c	Giant Double Plum Violet. 10
2809	Mikado. Flowers brilliant scarlet and white with elegantly curled petals, like Japanese Chrysanthemum. ½ oz. 15c 05
2810	Scarlet King. ½ oz. 20c 05
2797	POPPY Eldorado. 2 ft. ☉. This poppy is totally distinct and one of the finest novelties in the line of annuals. The flowers are large, single, semi-double and double, and contain magnificent shades of soft salmon, orange, orange-scarlet, pink, rose and white, without any dark markings whatever. The substance of the

2811	White Swan. Fringed double white. ½ oz. 20c \$0.05
2811a	Double Shirley. Beautiful double satiny flowers in shades of white, pink and old rose with white center. 10
2812	Carnation-Flowered Mixture of Double Poppies. Large sized flowers of all shades, many striped 1 oz. 25c 05
2813	Peony-Flowered Mixture. Double ball-shaped flowers of gigantic size. 1 oz. 25c 05
2814	Rheoas Fl. Pl. Double French Mixture. Double form of the Shirley type. 1 oz. 25c 05
2815	Double Mixed. Many kinds and colors. ½ oz. 15c 05
2828	Vaughan's Special Mixture, Double Poppies. This includes all the above sorts, and will produce charming flowers in an endless variety of colors ¼ lb. 85c; 1 oz. 30c. ½ oz. 20c 10
2798	petals in some of the lighter shades is as delicate as China silk. Large pkt. 20c. 10
2798	POPPY Eldorado Salmon Shades. 2 ft. ☉. The introducer made a selection of these most popular shades and these will especially appeal to those admiring pastel shades in flowers. 15

For Iceland Poppies see Perennial pages	2796 Vaughan's Special Mixture Double and Single Poppies. Comprises not only all the double and single Poppies described, but also a number of other sorts especially purchased for this mixture, including some entirely new ones. 1 oz. 30c; ½ oz. 20c Pkt. 10c	For Oriental Poppies see Perennial pages
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Make your garden glad—Plant Vaughan's seeds.




RICINUS (Castor Bean)



STATICE SINUATA (See next page)



SALPIGLOSSIS—Vaughan's Special Mixture



- 2775 **POINCIANA Gilliesi** (Bird of Paradise).  The blossoms are of a rich golden yellow, about 2½ inches in diameter, produced in large trusses, the most striking feature being the long, incurving stamens and pistils of a beautiful bright crimson color. Seed should be soaked in warm water and started indoors or under glass in a light sandy soil. Plants should be carefully hardened by gradual exposure to fresh air before going into the open ground. If the seed is started early it will produce blooms in great profusion the first year. . . . \$0 10

Primula Chinensis (Chinese Primrose)

This is one of the most charming winter flowering house plants, and one that is entirely free from insect pests. Our seed has been specially grown for us by the most celebrated English Primula specialist. The flowers are remarkable, not only for size, beauty and brilliancy of the colors, but for the great substance of the petals.

- 2888 **Good Mixture of Single Varieties** 15
 2890 **Vaughan's International Mixture**. Our mixture contains all the choicest colors of the single-flowering Primulas in all their dainty shades. 100 seeds 35

Primula—Various Sorts

- 2892 **Malacoides**  10 in. The flowers are of a delicate shade of lavender, produced in whorls on tall graceful spikes in great profusion. 25
 2893 **Malacoides Rosea** 25
 2894 **Forbesi (Baby Primrose)**  10 in. The flowers are very graceful, of the most pleasing rose color with yellow eyes and are borne on erect stems. 15
Primula Auricula and Veris (See Perennials)

Primula Obconica


This is one of the most beautiful Primulas for pot culture and also succeeds well in the open border during the summer.

- 2896 **Appleblossom** 200 seeds 25
 2897 **White** 200 seeds 25
 2898 **Pink** 200 seeds 25
 2905 **Obconica Grandiflora Mixed**. Good mixture. 200 seeds 15

Primula Obconica Gigantea

The leaves are dark green, thick and leathery, roundish, veined at the edges and often measure six inches in diameter. The flower stalks are stiff and strong. The flowers are of good shape, measure from 1½ to 1½ inches in diameter, and are borne in clusters up to four inches across.

- 2906 **Gigantea Rosea**. A beautiful clear rose. 200 seeds 25
 2909 **Gigantea Mixed** 200 seeds 25

- 2910 **PYRETHRUM Aureum**. (Golden Feather)  6 in. One of the best plants for edging, grown for its beautiful yellow foliage. Most successfully treated as an annual. 10

Pyrethrum Roseum (See Perennials)


Rhodanthé 1 ft. Swan River Everlasting.

- 2925 A charming annual; succeeds in a light rich soil and a Pkt warm sheltered situation; valuable for pot culture; flowers everlasting; mixed colors. \$0.10
 2926 **Manglesi Rose**. Bright rose flowers, very graceful, makes a pretty pot plant. 10
 2927 **Maculata Alba**. White 2928 **Maculata Rosea**. Rose, ea. 10
 2929 **Mixed** 10

Ricinus (Castor Bean)

Stately, strong growing plants, with very ornamental foliage, well adapted as center plants of groups of Cannas, Dahlias, etc. Moles are troublesome in many gardens, but they may be kept away by planting Castor Beans in the borders.

- 2932 **Cambodensis**. 6 to 8 ft. Large palm-like leaves of darkest maroon; stalk nearly black. 1 oz. 15c 05
 2934 **Panormitanus**. 8 to 10 ft. Huge leaves of a peculiar old bronze shade; stems blue powdered. 1 oz. 25c 10
 2935 **Sanguineus**. 6 ft. Green leaved, red stems. 1 oz. 10c 05
 2936 **Zanzibariensis Mixed**. 10 to 12 ft. The ornamental leaves, beautifully lobed, are 2½ to 4 ft. across. Each plant makes a perfect pyramid of foliage. 1 oz. 15c 05
 2937 **Zanzibariensis Enormis**. 1 oz. 20c 05
 2938 **Mixed**. Many sorts. Lb. 85c. 1 oz. 10c 05

- 2940 **ROSE Polyantha Nana**. 1 ft. Miniature Fairy Roses, forming little bushes covered with dainty little single and semi-double flowers, six months after sowing. 10
 2942 **RUDBECKIA Bicolor Superba (Coneflower)**  2 ft. Produces an abundance of bright yellow flowers with brown central disc; fine for cutting. 10

Salpiglossis 2½ ft.

Undoubtedly one of the most attractive annuals and should be in every garden. The blossoms are tube-shaped much like a Petunia but rivaling the latter in the beautiful colors displayed. Each flower is veined with a glint of gold, and it is the only flower to our knowledge possessing this odd characteristic. The Salpiglossis is deservedly known as the Orchid of Hardy Annuals. If you are not familiar with this, try one package and we know your garden will always contain it after you have seen it.

- 2944 **Bright Crimson**. 2951 **Velvety Violet**.
 2946 **Faust**. Black. 2952 **Golden Yellow**.
 2949 **Pink**.
 Each of the above per pkt. 15c.
 2953 **Gloxiniaflora Mixed**  2½ ft. A special selection of the Painted Tube Tongue made by a French hybridizer. Flowers large and fancifully veined in contrasting colors. 15
 2954 **Mixed**. Good quality. ¼ oz. 20c 05
 2955 **Emperor Mixed**. Large improved strain, complete range of colors. ¼ oz. 20c 10
 2960 **Vaughan's Special Mixture**. This mixture is put up by ourselves of separate varieties and (Vaughan's Special) is without doubt the best mixture obtainable. 1½ oz. 35c. 15



SCHIZANTHUS—Wisetonensis



SCABIOSA—Vaughan's Special Mixture



SALVIA SPLENDENS—Clara Bedman

Salvia Splendens (Scarlet Sage) ☉

The *Salvia Splendens* is a standard bedding plant that keeps the garden bright with color until late in autumn. This plant lends itself to many uses; it makes a good pot plant, does well in window boxes, and is useful for cutting. Its best use, however, is as a hedge or border plant, for brilliant color effect.

- 2962 **America, or Globe of Fire.** This is the freest and most continuous bloomer; also the most uniform in habit of growth, which makes it particularly valuable for bedding or planting in lines. \$0.25
- 2963 **Ostrich Plume.** 2 ft. Flowers bright scarlet, and instead of each stem having but one flower spike they produce a cluster not unlike a *Celosia*. It is quite distinct and comes true from seed. 25
- 2964 **Fireball.** 1½ ft. The bushy plant is covered with a great number of flower spikes of the most fiery scarlet. The plants branch freely, the side shoots often producing 4 to 6 flowering spikes. 15
- 2965 **Clara Bedman or Bonfire.** 2 ft. The spikes grow erect and stand clear above the foliage. The plants form handsome globular bushes. 10
- 2966 **Drooping Spikes.** 2½ ft. This large flowering variety has three times the flowering capacity on each spike of the ordinary *Salvia Splendens*. 10
- 2967 **Maroon Prince** ☉. 2 ft. Particularly rich and royal color. A purple violet with a velvety sheen. 15
- 2968 **Zurich.** Early. The plants are dwarf and compact with large brilliant flower spikes. 15
- 2970 **Mixed.** The above sorts and others. 10
- 2972 **Coccinea** 2 ft. Annual scarlet sage. 05
- 2973 **Farinacea** 3 ft. Tall spikes of silvery lavender blooms form a dense mass of foliage. 10
- 3000 **SANVITALIA Procumbens Fl. Pl.** ☉ 6 in. Small double yellow flowers produced in abundance all summer, excellent edging plant. 10


Scabiosa (Mourning Bride) 2½ ft. ☉

Commonly known as the Pincushion Plant. The flower stems are long and the blossoms keep well in water. The soft shades predominate. When given plenty of room and the seed vessels are kept regularly picked off, it will last through the whole of the summer. Owing to its sweetness the bees are very fond of it and its floral flavors also attract all the most beautiful types of butterflies to the neighborhood.


Large Flowering Double

- | | |
|----------------------------|---------------------------|
| 3010 Snowball. | 3016 Azure Fairy. |
| 3012 Golden Yellow. | 3017 Cherry Red. |
| 3014 Flesh. | 3018 Black Prince. |
| 3015 Fiery Scarlet. | 3019 Rose. |
- Each of above per pkt. 10c.
- 3020 **Mixed.** The above and others. 05

Scabiosa—Continued

- 3025 **Vaughan's Special Mixture.** Many new colors have been purchased for this, our latest special mixture and we are sure the delicate and soft colors will be admired by all our friends who plant a packet of this seed.  Pkt. \$ 10
- 3030 **SCHIZANTHUS Hybridus Grandiflorus** ☉ 1 ft. (**The Poor Man's Orchid.**) Neat pyramidal bushes covered with a multitude of small butterfly-like flowers of the most brilliant and striking color designs. 10
- 3032 **Wisetonensis** 1½ ft. A charming annual with graceful fern-like foliage and a profusion of flowers varying from almost white with yellow eye to a brilliant rose with bronzy brown center. A really beautiful subject for the flower border from seed raised in February, and for winter decoration in greenhouse from seed raised in May and June. 25
- 3033 **Mixed, all colors** 05
- SENSITIVE PLANT.** See *Mimosa*.
- 3037 **SILENE Armeria Mixed** ☉ 1½ ft. (**Catchfly**). A very showy early-flowering hardy annual, bearing in quantity, heads of beautiful white, pink and red flowers. 05
- 3040 **SMILAX** ☐ § 6 ft. Makes a fine pot or basket plant. Elegant for table decoration when cut. 10
- SNAPDRAGON.** See *Antirrhinum*.
- 3042 **SOLANUM Capsicastrum Nanum** ☐ 2 ft. (**Jerusalem Cherry**). Easily grown plants with ornamental fruit. Especially fine for pots. 10

Statice A Beautiful Everlasting Flower

 **How to pick and dry Everlasting Flowers.** A little pamphlet on this interesting subject is sent free on application.

- 3045 **Russian (Suworowi)** ☉ 1 ft. Flowers bright rose color; valuable for winter bouquets. 15
- 3046 **Bonduelli.** Producing numerous heads of bright yellow flowers, valuable for drying, very attractive. 10
- 3047 **Sinuata Blue.** Forming pretty rosettes of foliage from which rise branching flower stems 2½ ft. high, light to dark lavender flowers. 10
- 3048 **Sinuata Rosea** 3049 **Sinuata White** each 10

Norwichtown, Conn., May 3, 1920
The flowers we raised from your seeds were so fine that this year we were glad to pass the catalogue on and with it the order sheet.
With our thanks,
CHARLOTTE F. EASTMAN

- 3050 STEVIA *Serrata* ♂ 2 ft. Free-blooming plants, Pkt. bearing a multitude of fragrant pure white flowers; suitable for summer or winter blooming and cutting. \$0.10
SUNFLOWER. See *Helianthus*.

STOCKS—Large Flowering ♂ (Levkojen)

The Stocks represent all the desirable qualities of a flower. The plants have good habit, fine dull or glossy leaves. The flowers appear on long, stiff stalks like small rosettes, are exceedingly fragrant and range through a most complete scale of all the soft and distinct shades.

Dwarf German 10 Weeks 1 ft.

This class is a favorite for outdoor bedding

- | | | |
|---------------------------|---------------------|----------------|
| 3051 White | 3052 Canary Yellow | 3057 Mauve |
| 3053 Flesh | 3054 Brilliant Rose | 3058 Dark Blue |
| 3055 Crimson | 3056 Light Blue | |
| Each of the above..... 10 | | |
| 3060 Fine Mixed..... | 1/8 oz. 20c | 05 |
| 3070 Best Mixed..... | 3/8 oz. 35c | 10 |

Giant Perfection "Cut and Come Again" 1 1/2 ft.

Useful for outdoor bedding as well as for pots or cut-flower. They throw out numerous side branches, all bearing very double, fragrant flowers.

- | | |
|----------------------------------|-----------------|
| 3075 White | 3080 Scarlet |
| 3076 Canary Yellow | 3082 Light Blue |
| 3078 Pink | 3084 Dark Blue |
| Each of the above..... 10 | |
| 3085 Giant Perfection Mixed..... | 3/8 oz. 40c |
| | 10 |

Beauty of Nice 2 ft.

A handsome winter stock of quick growth, flowers of large size.

- | | |
|--------------------------------|--------------------------|
| 3090 White | 3095 Empress Augusta |
| 3091 Monte Carlo. Yellow | Victoria. Silvery lilac. |
| 3092 Azure Blue | 3096 Pink |
| 3094 Abundance. | 3097 Crimson |
| Brilliant lilac rose. | 3098 Old Rose Improved |
| Each of above..... | 3099 Dark Violet |
| | 10 |
| 3102 Beauty of Nice Mixed..... | 10 |

Flag
Collection

Vaughan's Stocks
 One 10 cent Pkt. each

Red, White and Blue of any variety, prepaid for 25c

Bismarck 2 1/2 ft.

Pkt.

If sufficient room is given, the plants develop to enormous dimensions, forming magnificent bushes, with long and large flower stalks. Blooms after the ten weeks stocks have ceased.

- | | | | |
|------------------------------|------------|-----------|----------------|
| 3105 White | 3106 Lilac | 3107 Rose | 3108 Gold Ball |
| Each of the above.....\$0.15 | | | |

Emperor or Winter 2 ft.

These are useful in planting in California out doors.

- | | | |
|----------------------------------|-----------------------------|----|
| 3109 Large Flowering White Lady. | White..... | 15 |
| 3110 Empress Elizabeth. | Brilliant carmine rose..... | 15 |
| 3111 Winter Stock Mixed..... | | 15 |

- 3131 Vaughan's Special Mixture of Stocks.
Contains all the above and many others not catalogued.



- | | |
|--|----|
| 3512 THUNBERGIA Alata, Mixed (Black Eyed Susan) | 15 |
| ⊙ 5 ft. Beautiful trailing plants for hanging baskets and lawn vases as well as fences and verandas. 1/2 oz. 25c | |

- | | |
|--|----|
| 3515 TORENIA Fournieri Grandiflora ♂ 10 in. Bushy globular plants literally covered with the lovely richly colored, snapdragon-like flowers of a delightful sky-blue. They are excellent for beds, pots or hanging baskets. | 10 |
| 3517 White Wings. Flowers white with rose throat. | 10 |

SWEET WILLIAM. See page of "Perennials."

"Say it with Flowers"

SURPRISE COLLECTION OF FLOWER SEEDS. No. 1

- | | |
|--|---|
| 1 Pkt. of one Climber | 1 Pkt. of one Sweet Scented Plant |
| 1 Pkt. of one Edging Plant | |
| 1 Pkt. of one Perennial | 1 Pkt. of one Suitable for Cutting Purposes |
| 5 separate Pkts. for 25 cts. Regular value 40 cts. | |



STOCK Giant Perfection

Vinca Rosea (Periwinkle) ♂ 1 ft.

Ornamental free blooming plants, with dark laurel-like foliage and hand-some pink and white flowers. Seed should be sown early and then the plants will bloom the first summer. They can be taken up in the fall like Chrysanthemums, potted, and kept in bloom through the winter. Seed germinates slowly.

- | | |
|------------------------------|---------------------|
| 3580 White | 3582 White with Eye |
| 3581 Delicata. Soft pink | 3584 Pink |
| Each of the above.....\$0.10 | |
| 3585 Rosea Mixed..... | 1/4 oz. 25c |
| | 10 |

- 3611 VISCARIA Mixed ♂ 1 ft. Very showy and effective garden annual, producing freely throughout the summer large single flowers in red, white and blue shades. Very bright and effective for beds and useful for cutting. 10

- 3612 VIRGINIA STOCK Mixed ♂ 6 in. Sown early these pretty annuals are gay in the period between the spring and summer flowers, their fresh bright colors in edgings and beds producing a charming effect.
1/4 lb., 60c; oz., 25c; 1/2 doz., 15c. 05

Wallflower (Goldlack) ♂ 1 1/2 ft.

Wallflowers should be better known. Their adaptability for pot culture and out-door bedding and the peculiar sweet fragrance of their flowers should win favor. The oriental coloring of the flowers in their rich reds and yellows is very effective. They are easily grown and last long as cut flowers. Not hardy in the northern states, should be wintered in cold frames.

- | | |
|--|-------------|
| 3615 Single Mixed..... | 1/4 oz. 15c |
| 3616 Single Annual Blood-Red..... | 10 |
| 3618 Single Annual Golden Gem..... | 10 |
| 3620 Double Mixed..... | 10 |
| 3622 Single Annual Mixed..... | 15 |
| 3623 WHITLAVIA Gloxinioideus Blue ♂ 1 ft. Flowers deep lavender-blue with white throat resembling small Gloxinias..... | 05 |



Both the Viscaria and Virginia Stocks are most desirable annuals, for bedding as well as cutflowers, and are not nearly as well known as they deserve. The Virginia Stocks make a delightful border, and if successive sowings are made in the same place a continuation of flowers can be had all summer.



Sweet Peas

Large Flowering and Unwin

		$\frac{1}{4}$ Lb.	Oz.	Pkt.
3400	America. Blood-red, striped white....	\$0 50	\$0 15	\$0 05
3401	Black Knight. Dark maroon.....	50	15	05
3402	Blanche Ferry. Pink and white.....	40	15	05
3404	Dainty. White with pink picotee edge.	50	15	05
3405	Dorothy Eckford. One of the best whites	50	15	05
3406	Frank Dolby. Finest pale blue.....	50	15	05
3407	Flora Norton. A very bright blue.....	50	15	05
3408	Gladys Unwin. Pale rosy pink.....	50	15	05
3409	Janet Scott. Deep rich pink.....	50	15	05
3412	King Edward VII. Fine scarlet.....	55	15	05
3413	Lady Grisell Hamilton. Lavender.....	55	15	05
3414	Lord Nelson. Richer than Navy Blue.	55	15	05
3415	Mrs. George Higginson, Jr. Blue.....	55	15	05
3416	Navy Blue. Deep violet blue.....	55	15	05
3417	Nora Unwin. Giant white.....	55	15	05
3418	Prima Donna. Soft pink.....	50	15	05

Flag

Sweet Peas

Collection

One Pkt. each, King Edward VII, Dorothy Eckford and Mrs. G. Higginson, Jr. for 10c.

Mixed Sweet Peas In Separate Shades.

For such as prefer to grow the various colors separate, we have arranged the following mixtures out of the finest named sorts:

3423	Pink Shades. Light to deep pink.
3424	Red Shades. Bright rose to dark scarlet.
3425	Lavender and Blue Shades. Pale lavender to mauve.
3426	Purple and Maroon Shades. All the dark colors.
3427	White and Primrose Shades. All the delicate tints.
Each of the above, $\frac{1}{4}$ lb. 50c; oz. 15c.	
3429	Collection, one oz., each of the five separate shades 60c.

Sweet Peas In Mixture

3430	Eckford's Mixture. Contains some of each of the Pkt. entire list of varieties and cannot fail to give satisfaction. lb. 85c; $\frac{1}{4}$ lb. 25c; oz. 10c	05
3450	Sweet Peas, Vaughan's Prize Mixture. The daintiest colors of all the Spencers, Large Flowering and Unwin types as well as darker combinations make a garden planted with these a continual joy. 1 lb. \$1.50; $\frac{1}{4}$ lb. 40c; oz. 15c	10



Verbena

Verbena is one of the most popular garden annuals and lends itself willingly to many uses. For beds, borders, mounds, vases and window boxes it is particularly fine, and is frequently used for an undergrowth to tall plants like lilies. The clusters of showy and often fragrant flowers are borne in constant succession from June until frost. A carefully selected and improved strain of Verbena.

Hybrida

		Pkt.
3525	Defiance. A real intense scarlet.....	\$0 10
3526	Dark Blue with White Eye. Very showy.....	10
3527	Lutea. Yellow.....	10
3529	Striped. Mostly light colors with red and blue stripes..	10
3535	Good Mixed..... 1 oz. 80c; $\frac{1}{8}$ oz. 15c.	05

Mammoth Types

The trusses and individual flowers are of the largest size, of brilliant colors; free blooming and of vigorous habit.

3542	White. Dense heads of finely shaped white flowers....	10
3544	Mayflower. Various shades of pink.....	10
3545	Striped, White on Red Ground.....	10
3547	Firefly. Intense red..... $\frac{1}{8}$ oz. 35c	10
3549	Purple. Dark purple.....	10
3550	Mammoth Mixed. Producing in handsome umbels flowers of large size in beautiful shades of white, rose, scarlet, blue, purple..... $\frac{1}{4}$ oz. 40c	10
3551	Hybrida Gigantea. A wonderful mixture of large flowering varieties. The flowers are, as the name indicates, gigantic, and with white eye, the reds particularly attractive..... $\frac{1}{8}$ oz. 35c	15
3555	Vaughan's Best Mixture. It includes the dazzling Defiance, the Mammoth White, Purples, Striped, and all the Auricula flowered varieties with their large umbels of white-eyed flowers. We feel perfectly safe in stating this mixture of Verbena will eclipse every other strain offered by any other house, and it will produce flowers that will delight all beholders throughout summer.	

1 oz. \$3.00; $\frac{1}{8}$ oz. 50c; large packet 25c; 125 seeds.....	15
3556 Dwarf Mixed. 6 in. Good for edging, making an even carpet of blossoms and leaves.....	15



VERBENA—Vaughan's Best Mixed

The stock from my seed purchased from you are simply wonderful in color and size. Best I have ever seen. Santa Cruz, Cal., May 20, 1920.
MRS. M. J. LEONARD.

Flag

Verbena

Collection

One Pkt. each, Firefly, Mammoth

White and Dark Blue with White Eye, for 25c.

Verbena—Continued

Pkt.

- 3557 **Citriodora (Lemon Scented Verbena)** 3 ft. An old favorite with fragrant evergreen leaves. It is a low-growing tender plant and may be grown in the garden in summer and in pots in winter, and the leaves dried and laid among linens. \$0.10
- 3558 **Erinoides**. Forming elegant little spreading bushes with finely cut foliage and pretty heads of bloom, purplish rose changing to Oxford blue. 10
- 3559 **Erinoides Alba**. Of the same character as above, but with white flower heads, very pretty. 10
- 3561 **Venosa** 1 ft. Largely used for bedding purposes, strong, thrifty growers covered with bright purple and heliotrope flowers. 10

ZINNIAS

These attractive and decorative hardy annuals are most desirable plants for mixed borders or bedding purposes, and are remarkable for the profusion and duration of their flowers, which are extremely useful for bouquets.

Elegans Fl. Pl. Double Flowered

- | | |
|------------------------------|-------------------------------|
| 3701 Alba. White | 3708 Old Rose |
| 3702 Appleblossom; pkt., 10c | 3709 Scarlet |
| 3703 Burnt Orange; pkt., 10c | 3710 Jacqueminot. Blood-red; |
| 3704 Isabellina. A beautiful | pkt., 10c |
| cream yellow; pkt., 10c | 3711 Violet |
| 3705 Golden Yellow | 3712 Zebra Striped; pkt., 10c |
| 3706 Flesh Color | 3713 Lilac |
| 3707 Rose Shades | Pkt. |

- Each of above, except where noted. ¼ oz. 25c \$0.05
- 3714 **Double Good Mixed**. 1 oz. 40c; ½ oz. 25c 05

New Giant Flowered or Colossal 3 ft.

The flowers are of enormous size, thickly set with velvety petals. The plants are healthy, vigorous, branching freely, and make excellent material for groups or cutting.

- | | | |
|---------------------|------------------|------|
| 3715 White | 3720 Scarlet | Pkt. |
| 3716 Golden Yellow | 3721 Violet | |
| 3717 Sulphur Yellow | 3722 Purple | |
| 3718 Flesh Color | 3723 Pink Shades | |
| 3719 Orange | 3724 Cream | |

Each of the above. ¼ oz. 30c \$0.10

Special offer (B) Zinnias, any 6 pkts. of above for. 50

Special offer (C) Zinnias, any 10 pkts. for. 80

- 3724a **Savoja**. Extremely large, double globular flowers, whose single petals are turned upward and form little channels: The color is a singular mixture of yellow and red; the external petals begin with a nice dark red, melting gradually to the centre in golden-yellow. This may be best described as salmon-orange. 10

- 3725 **Vaughan's Colossal Zinnias, Mixed**. The flowers are gigantic in size and deep and velvety in appearance, exhibiting all the new and interesting colors. ¼ oz. 30c. 10



Wild Cucumber (Echinocystis Lobata)

- 3760 This is the quickest growing climber on our list. Grows Pkt. wild self-cown, in many parts of the west. Should be sown late in the fall or very early in the spring. It is thickly dotted over with pretty, white fragrant flowers, followed by an abundance of ornamental and prickly seed pods. ¼ lb. 75c; 1 oz. 25c; ½ oz. 15c. \$0.05

- 3765 **XERANTHEMUM Double Mixed** 2 ft. Bright and pretty 'Everlasting' with silvery foliage and silky flowers in pink, white and purple. ¼ oz. 30c 10



VAUGHAN'S GIANT

"COLOSSAL" ZINNIA

Zinnia—Continued

- 3726 **Double Crested and Curled**. The flowers are large, the petals being twisted and curved into most graceful forms. The colors comprise all the brilliant shades characteristic of the Zinnias. ¼ oz. 25c \$0.10

Liliput Double 12-in.

- The plants form handsome little bushes and fairly bristle with tiny, short-stemmed, very double flowers, hardly exceeding a daisy flower in size. They are very pretty plants; bloom all summer until late in the fall. Pkt.
- | | |
|----------------------------------|-------------------------|
| 3728 Scarlet Gem. \$0.10 | 3731 Liliput Mixed, all |
| 3729 White Gem. 10 | colors. ¼ oz. 25c.. 10 |
| 3730 Golden Gem. 10 | |

Pumila Double 18-inch

Extra double flowers, produced on regular dwarf plants.

- | | |
|--------------------------------|----------------------------|
| 3732 Snow Ball. \$0.10 | 3735 Fire Ball. 10 |
| 3733 Golden Ball. 10 | 3736 Pumila Mixed, all |
| 3734 Pink Ball. 10 | colors. ¼ oz. 25c.. 10 |

- 3745 **Red Riding Hood** 1 ft. Of compact form and covered the entire season with little button-like, intense scarlet flowers not over an inch across; as a border plant it is highly effective. ¼ oz. 35c 10

- 3750 **Mexicana Hybrida** 12 in. Flowers the size of a large daisy, single, semi-double and double, and the colors are in the most unique, pleasing and numerous variations. In it are found shades peculiar to the Marigold, the Gaillardia, and the Chrysanthemum. They are extremely free flowering and pretty. ¼ oz. 50c 15

- 3755 **Mexicana Fl. Pl.** 15 in. Double miniature Zinnia, flowers bright golden yellow, fine for edging. This plant deserves wide cultivation. ¼ oz. 25c 10

- 3756 **Mexican Fl. Pl.** Double mixed. 10

- 3770 **ZE A Japonica Quadricolor Perfecta** 4 ft. This charming grass forms an object of great beauty in mixed beds and borders or isolated in groups on lawns, in subtropical gardens, etc.; it thrives in rich light warm soils. The leaves are striped in yellow, green, rose and dark red. 05

- 3775 **WILD FLOWER GARDEN**. A mixture of easily grown annuals, for the decoration of children's gardens, prairies, shrubberies, or roadside planting, etc. 1 lb. 85c; ¼ lb. 25c; 1 oz. 10c.

Gladioli in the Garden

by Katherine Butterfield

AUGUST 31, 1921, will be the eightieth birthday of the Gladiolus as a garden plant, the most stately, decorative, gorgeous and delicate of coloring and most reliable and easy of culture of all summer flowering plants.

On August 31, 1841, Louis Van Houtte, a famous French plant breeder, now best known for the snowy spirea bearing his name (the Bridal Wreath), exhibited a collection of hybrid Gladioli, the first ever exhibited. These were named Gladiolus gandavensis and were the parents of the present-day strain bearing the same name.

Van Houtte did not himself breed the Gladioli he displayed, but had found them in the garden of the Duke of Arenberg at Enghien.

Just what humble gardener he was, and whether they were natural hybrids is not known.

The Gladiolus has never enjoyed a common name. It should be pronounced with the accent on the "di" according to strict Latinists, but to the plain, every-day gardener the stress falls on the "o." The word means, literally, "a little sword," from the shape of the sharp pointed, rather slender, leaves.

Although 1841 marked the advent of the Gladiolus as a garden plant, it had been known to botanists for many years. It was first brought to Europe in the 18th Century by Dutch explorers from South Africa, among other so-called "Cape" bulbs, so named because they came from the region of the Cape of Good Hope. Nearly all of these Cape bulbs are members of the Iris family and their leaves are almost exactly alike, varying only in size. A Freesia or a Montbretia looks like a small Gladiolus until its bloom distinguishes it.

Souchet, another famous Frenchman who saw the new flowers shown by Van Houtte, realized their possibilities and started selecting and hybridizing until he made them more a product of his own than of Van Houtte's. From France they spread into England and Germany.

New species were discovered from time to time, as Africa was penetrated, some growing on the plains, some in the mountains, until now there are about 140 species classified by botanists and the hybridist has a vast field for experimentation as only a few of them have been used to date in producing the modern strains.

Gladiolus primulinus, discovered in 1905, growing at the foot of the Zambesi falls is the latest addition to the garden list, and a most important one.

There are now scores of named primulinus hybrids, it having made more rapid progress than any other pronounced type because of the

rapidity with which it multiplies by bulblets and the profusion of its seed. It was eagerly seized upon by gladiolus breeders for it offered an ideal for which they had long struggled, a pure bright yellow and a loose, graceful spike previously unknown.

Van Houtte and Souchet had many rivals, but all devoted themselves to the gandavensis type until Lemoine, the great horticulturalist of Nancy, famous for his Lilacs, Syringas, Deutzias and other shrubs, exhibited the Lemoine hybrids at Paris in 1878. Shortly after that he experimented farther and developed the Nanceianus strain, characterized by the largest flowers yet developed. These he exhibited for the first time in 1889.

In Germany, a little later, Max Leichtlin, a world name in horticulture, produced another vigorous large-flowered strain which is now known as the Chidisi strain. These three with the Primulinus are now the best known types, but there are others.

Principes Type Introduced by Vaughan

AMERICAN plant breeders took up the gladiolus more slowly. Dr. W. Van Fleet, more famous as a rose originator, has made some valuable contributions. A. E. Kunder of Goshen, Ind., produced a ruffled strain as well as a number of other valuable kinds. Mrs. Fendleton being one of the best, and Myrtle, the finest pure pink.

A great advance in gladiolus breeding was brought about by the introduction of Gladiolus Principes, originated by Dr. W. Van Fleet, and introduced into commerce by J. C. Vaughan of Vaughan's Seed Store. It was the forerunner of a race of magnificent giant flowered varieties. Principes is an enormous flower of brilliant red with glittering contrasting white stripes on the lower petals. It has given some wonderful seedlings.

Gladiolus breeders have had three color ideals, a pure, unsullied white, without spots or lines, a blue and a pure golden yellow. The white and yellow have been attained but the blue—a true, pure blue, is yet to come, though there are purples, lavenders and pale blue shadings.

Every conceivable shade in red, pink, rose, purple, lavender, lilac, violet, lavenders and oranges may be found with a marvelous and infinite variety of spotting, striping, flaking, picotee edging and blotching and with a most remarkable diversity in the shape of the flowers from the closely hooded Lemoine and some of the Gandavensis type to the widely flaring Principes. They differ in size from an inch and a half to six inches or more under intensive cultivation. They also vary in height. It is merely a matter of picking the color or style wanted from the catalogues. There are thousands of named varieties, some breeders cataloguing only their own productions.

American gladioli now lead the world and their superiority is being recognized abroad in awards by horticultural societies. Intensity of color, size of flowers and sturdiness of growth are characteristics. Our hot summers are better calculated for their development than the climate of European countries.

Easiest of Flowers to Grow

THE culture is simple. Stick the bulb in the ground almost any way and it is likely to give flowers of some kind. There is one requi-

site, however. A gladiolus must have sun and lots of it, and the better the soil the better the flower. It is advisable not to grow them more than three seasons at most in the same location. If possible, they should be changed every year. The various types have their peculiarities. Some produce their best bloom only in alternate years.

It is a good plan to spade in a good dressing of manure in the fall. In the spring the ground should be spaded deeply and finely pulverized. If the manure is not at hand at this time, it should be well rotted, otherwise use a commercial fertilizer (see page 135). Plant the bulbs about six inches deep unless the soil is unusually heavy, when four is enough. With the deeper planting the necessity of staking is largely obviated and this is a burdensome task if many bulbs are grown.

Plant at intervals of a week or two, for a succession of bloom from the time the weather is safely frost-proof until July 1.

Bulbs which are sprouting should be planted early and those that show the least inclination to sprout saved for the later plantings.

Four to eight inches apart in rows, according to the size of the bulbs is about right. If the soil is not well enriched, however, it is better to give them more room.

For the finest blooms, liquid manure should be given weak, but frequent doses, as the blooming season approaches. Pulverized sheep manure may be raked into the soil, but not too close to the bulbs. Frequent soakings of the soil in the evening if the weather is dry are a big help. The soil should be kept stirred and formation of a crust prevented. Ground bone or bone meal and nitrate of soda at the rate of a tablespoonful to two gallons of water may be used with good effect.

The more carefully and frequently fertilizer is applied, if not given in too great strength, the finer the bloom and the greater the vigor of the plants. If prize winning blooms are desired, the bulbs should be set at least a foot apart and in rows two feet apart so that each bulb may secure all the plant food it can use without competition.

In the fall before heavy frosts set in, dig the bulbs and allow them to dry with the tops attached. Then cut off the tops and store them in a dry, cool, but frost-proof place.

Supreme As Summer Cut Flower

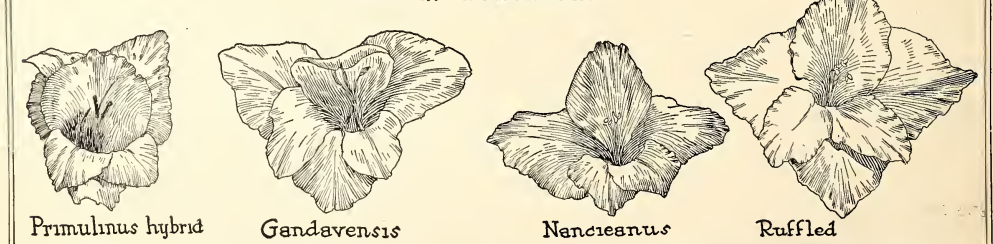
THE greatest value of the gladiolus as a garden flower is that it thrives in mid-summer heat, when there is little else in bloom.

Clumps of a single variety make a striking effect with a background of shrubbery or evergreens. Nothing is finer in the perennial border to refurbish plantings of early spring flowers.

But it is as a cut flower that the gladiolus is at its best. It blooms even better when cut than when left growing. Cut when the lowest buds open and placed in water, every flower on the spike will unfold in turn.

Nothing is easier than increasing a stock of bulbs. The bulblets found clinging to the bottom of the old bulb when it is dug in the fall can be raised to blooming size in two seasons. They should be soaked in warm water for a few hours and planted in drills like seed in the spring and cultivated during the summer.

Well Known Types of Gladiolus Blossoms



Primulinus hybrid

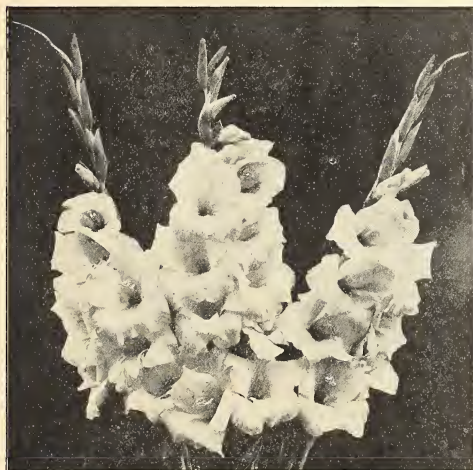
Gandavensis

Nanceianus

Ruffled

VAUGHAN'S GLADIOLI

Grown on our Farms
Free from disease.



MRS. H. A. CAESAR

*PRIMULINUS "SUNBEAM"

One of the first varieties of Primulinus blood in America to receive a name. This variety, which we introduced in 1914 for the first time, is a cross of select yellows from the Primulinus Mixture, with the variety Sulphur King. The graceful form of all of the Primulinus type insures their popularity in our best Decorative Class. It has a clear yellow color and is a strong grower.

Price, each, 12c; doz., \$1.25; 100, \$8.00.

*FIELD MARSHAL HAIG

A very attractive shade of light salmon-pink with oblong-edged blotches. Medium in season, flowering in about 85 days from planting. Habit erect, with a good well opened flower spike with often eight to ten flowers showing at one time at its prime. The ruffled edges put the variety in the desirable novelty class in form as well as color. This variety does well in a cool or moist soil.

Price, each, 45c; doz., \$4.50.

*MARY BLACKMAN

Named in honor of the noted Blackman family of Indiana Florists.

Naucianus variety of large size and fine quality. Flowers a beautiful shade of salmon red; the lower petals finely feathered and pencilled at the base with carmine on a rich golden yellow. A very decorative variety lasting a long time when cut.

Price, each, 20c; doz., \$2.00.

SCHWABEN

A variety of extreme vigor, many of the bulbs producing two or three flowering stalks which very often produce side branches besides. The stalk produces about 20 very large flowers, 6 to 8 usually open at one time. The color is the best, of clear canary yellow, shading to a soft sulphury yellow when opening.

Price, each, 12c; doz., \$1.25; 100, \$8.00.

RUFFLED GLORY

With "Ruffled" Petals

Delicate pink, with crimson stripe in the center of each lower petal. The broadly expanded, wide open, paired flowers, all face in the same direction and are carried on straight, stout 3 1/4 ft. stalks. Each petal is exquisitely ruffled. Each, 15c; doz., \$1.50; 100, \$10.00.

Vaughan's Seed Store is one of the pioneers among American Gladiolus breeders, and every year hundreds of seedlings are produced on our farms in the hope that some will show the qualities demanded of a Vaughan introduction. Of the many tried, few are chosen, but a goodly proportion of the best American varieties were introduced by Vaughan.

GLADIOLUS are the most attractive and useful for cut flowers of all the summer flowering bulbs. They give you giant spikes of perfect flowers with wonderful colors in fascinating profusion; often changing as each flower opens fully.

We grow over one hundred acres of these bulbs and harvest many hundreds of thousands, developing every year scores of new Hybrid Seedlings which surprise even our own trained men with their new types and giant blooms in novel colors.

The long graceful spikes carrying often twenty buds may be cut at the first lower flower open, placed in water each successive bud develops a perfect flower. Our collection consists of the finest types of French, Dutch and American Hybrids. Our counter displays during August and September attract much favorable attention, at which time many buyers make selection. We also display at many Garden Club Shows.

Plantings each ten days from April to mid June will provide flowers from August to October. Planting directions given free on request.

Parcel Post 12 bulbs weigh 1 lb.; 100 bulbs 6 lbs. Add postage at zone rates.

MRS. H. A. CAESAR

New Gladiolus

This Seedling Gladiolus "Mrs. H. A. Caesar" (Orchid Beauty) is a cross of America with Sunbeam. Its habit of growth is more robust than America and with same flowering season. The length of spike is about the same, but it produces more buds, frequently showing five to eight open flowers, well placed on the spike. The color is a beautiful lavender shading to lilac with a yellow dash in the lower petals. Admirers have called it "Orchid Beauty." The spikes are uniformly straight and upright, with no crooked stems.

Price, each, \$1.00; doz., \$10.00.

*MARTHA WASHINGTON

Flowers light red, but with dark, almost black blotches on the three lower petals. They set evenly and regularly. The stalk, which usually contains about 13 to 15 flowers, with 5 or 6 open at a time.

Price, each, 35c; doz., \$3.50.

*MRS. FRANCIS KING

Leading Decorative Gladiolus

This has become the most popular and effective variety for window, store and hotel display. The long, strong flower stalks and foliage, its effective flower spike with a good line of reserve buds continually opening, with flower 1 1/4 inches across, five to six flowers will spread out on the spike at the same time, its brilliant vermilion scarlet color gives for vase in hotel lobbies and dining rooms, parlors, decorations, etc., an effect not produced in any other Gladiolus.

Large bulbs, each, 8c; doz., 75c; 100, \$4.00. Medium bulbs, each, 5c; doz., 50c; 100, \$3.00.

MRS. FRANK PENDLETON

One of the most exquisitely colored and formed Gladiolus in our entire list. In addition, the size of bloom is not exceeded by any other. The color is a delicately flushed salmon pink, the color extending to the reverse side of the petal as well as in the center. The flowers are wide open and are arranged individually on the very slender but wiry stems. Each flower is doubly enhanced by a rich maroon blotch on the three lower petals. Each, 12c; doz. \$1.25; 100, \$8.00.

*MARGARET

A brilliant carmine, with a large white blotch on the lower petals, the white and carmine blending into a violet tint. The spike is straight and strong, never twisted or deformed. The flowers are large beautifully arched and 6 to 7 are open at one time. They are arranged in two rows, facing the same way, and set without crowding. A good cut flower; if cut when the first flowers open, is usable for ten days.

Price, each, 20c; doz., \$2.00; 100, \$15.00.

*MRS. W. S. BREWSTER

A new Naucianus seedling, and one of the best of this fine type. The color is white, overlaid bluish, blotched brilliant red with a creamy halo; the whole forming a most pleasing blend entirely distinct and unique. The flowers are large, produced in a double row with six open at a time all facing one way in a shapely compact spike. It is an early flower, 4 feet. Good keeper.

Price, each 35c; doz. \$3.50.

MYRTLE

Tender and delicate rose pink. "The most beautiful pink yet produced in Gladiolus." Brings high price in the Chicago market.

Price, each 15c; doz. \$1.50; 100, \$10.00.

*THE DETROIT

A giant flower with orchid colorings. Fully developed flowers measure five inches across. The color is light pink with deeper pencillings of light crimson on the inside and outside of the upper petals, and with carmine splashes overlying sulphur on the center third of the lower petals. Some of the flowers show little of the pencilling on the upper petals. The flower spike is long and strong like Mrs. Francis King with 13 flowers to the spike, 6 flowers open at a time. The general effect is as light as America. This is the largest Gladiolus flower we know of.

Price, each, \$1.00; doz., \$10.00.

*PONTIAC—Princes

Giant Seedling of Princes. Considerably lighter red. Very large flower with Princes throat markings. Petals slightly striped with deep vermilion streak as strong as Schwaben and a taller grower than King.

Price, each, \$1.00; doz., \$10.00.

ANNA EBERIUS

Beautiful dark velvety purple; throat deeper shade. Flowers large and well set on the spike. A new variety and of great favor. This beautiful variety attracted much attention. Price, each, 50c; doz., \$5.00.

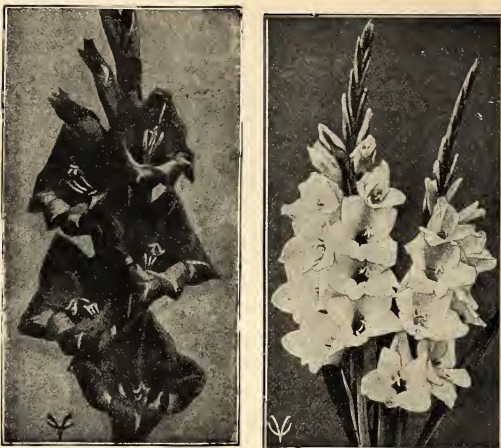




"RUFFLED" GLORY

CHICAGO WHITE

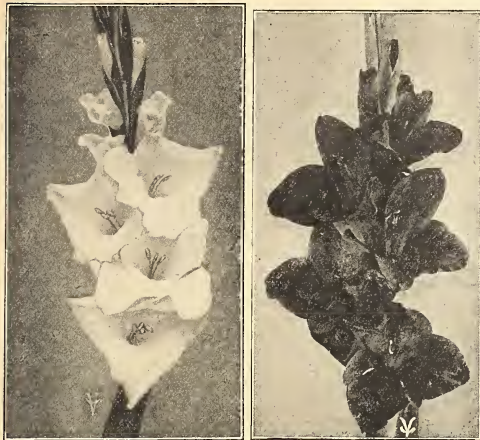
	Each	Doz.	100
ALINE. Pure white, slightly striped crimson.....	\$0.15	\$1.50	\$10.00
AMERICA. Soft lavender pink. Large Bulbs.....	.08	.75	4.00
Medium Bulbs. All good bloomers.....	.05	.50	3.00
ANNIE WIGMAN. Pale yellow, dark blotch.....	.10	1.00	7.00
ARISTOPHANES. Pure salmon-rose, white band in the center of each petal and straw-colored blotch.....	.75	7.50	....
ATTRACTION. Deep crimson, with large white center and throat.....	.10	.75	4.25
AUGUSTA. Pure white, blue anthers. Large Bulbs.....	.10	.85	4.50
Medium Bulbs. All good bloomers.....	.07	.65	4.00
ANNA EBERIUS. Dark velvety purple, throat deeper shade.....	.50	5.00	....
AUTUMN QUEEN. Color cream yellow suffused with pink with carmine stripe.....	.15	1.50	10.00
AMAR VILLIS. Velvety red, very fine.....	.15	1.50	10.00
BARON J. HULOT. Dark velvety purple.....	.12	1.25	8.00
BERTRAX. Pure white flowers of great substance.....	.20	2.00	15.00
BLACK PANSY. Rich dark red Pansy-like throat.....	.25	2.75	20.00
BYRON L. SMITH. Beautiful lavender pink on white ground, an orchid shade.....	.75	7.50	....
BOUQUET D'OR. Cream yellow suffused pink with deep cherry red, yellow blotch.....	.10	1.00	7.00
CANARY BIRD. Clear canary yellow.....	.15	1.50	10.00
CANICULE. Clear scarlet red, creamy-white blotch.....	.75	7.50	....
CHARMER. Soft mauve-pink, blending off lighter in the throat which is pencilled carmine-lake with a large blotch of same color on lower petals.....	.12	1.25	8.00
*CHAS. L. HUTCHINSON. The color of the flowers is a rich blood-red, the middle rib of each petal being shaded deeper with a velvety luster. Free flowering.....	2.00	....	....
*CHICAGO RED. Brilliant scarlet, large, opens well.....	.12	1.25	8.00
*CHICAGO SALMON. Clear Salmon with carmine throat.....	.15	1.50	10.00
*CHICAGO WHITE. Pale, lavender marking throat.....	.10	.75	4.50
CONTRAST. Large scarlet with white center.....	.35	3.50	25.00
CRYSTAL WHITE. One of the best pure whites.....	.10	.90	6.00
DAZZLER. Magnificent large Princeps-like flowers of vivid salmon-scarlet with throat blotch of red-orange on lower petals, further ornamented with carmine-lake flakes, fine long spikes well-filled.....	1.00	7.50	....
DESDEMONE. Ashy-rose striped lilac, large dark red blotch, edged Ivory-white. Immense spike of double-row flowers well-placed.....	.30	3.00	22.00
DAWN. Flowers salmon shading to very light clear stain in throat.....	.60	5.50	....
ELIZABETH KURZ. Pure white with faint marking.....	.15	1.50	10.00
EUROPE. Pure white. Best white we know.....	.15	1.50	10.00
EVELYN KIRTLAND. The flowers, of strong substance, are a beautiful shade of rosy pink, darker at the edges, fading to shell-pink at the center with brilliant scarlet blotches on lower petals; the entire flower showing a glistening, sparkling luster. Very tall spike. Extra fine form and color.....	.25	2.60	20.00
E. J. SHAYLOR. Tall grower of beautiful pure deep rose pink.....	.60	5.50	....
EMPRESS OF INDIA. Rich dark maroon.....	.15	1.50	10.00
FASCINATOR. Splendid large flowers of salmon-pink tinted with flakes of carmine, throat bluish with carmine-lake penicillings, long spike, graceful.....	.12	1.25	8.00
FIRE KING. Long graceful spikes showing half a dozen immense blooms open the same time. Color intense fire red. More brilliant than Brenchleyensis or Cardinal. Is perfectly grand.....	.10	.90	6.00
FLAMBEAU. Immense flowers of vivid orange-scarlet with an effective throat blotch of white, shaded and marked with tyrian-lake on the lower petals.....	1.00	10.00	....
FLORENCE. Bright lilac, white blotch on lower petals.....	.45	4.50	....
GLANT WHITE. A very large flower.....	.30	3.00	22.00
GLORY OF HOLLAND. Pure white.....	.10	1.00	7.00
GLORY OF BRIGHTWOOD. Scarlet, lemon throat.....	.10	1.00	7.00
GORGEOUS. Vivid, rich red, with a strong, striking contrasting, silvery white throat blotch on three lower petals.....	.15	1.60	12.00



MARGARET

SCHWABEN

	Each	Doz.	100
GRETCHEN ZANG. A fitting companion to the Evelyn Kirtland. Large heavy sparkling blooms, a beautiful soft melting shade of pink blending into scarlet on lower petals. Spike tall and graceful.....	\$0.15	\$1.50	\$10.00
GOLDEN KING. A brilliant golden yellow, with intense crimson blotch in throat, giving a magnificent effect. Flowers well opened and well set on a very careful spike.....	.10	.90	6.00
GOV. HANLY. Rich cardinal red.....	.20	2.00	15.00
HALLEY. The predominating color of these flowers is delicate salmon-pink with a slight roseate tinge, though the lower petals bear a creamy blotch with a stripe of bright red through the center, the whole producing a delightful effect.....	.10	.00	6.00
HERADA. Something entirely different, but another good one. Blooms of immense size on tall straight spikes. Massive in every way. The large blooms are pure mauve, glistening and clear, with deeper markings in throat. A very attractive color.....	.20	2.00	15.00
*HYDE PARK. Frosty sparkling white, pencilled and feathered with light and dark rose, but the lower petals are much more distinctly blotched with cream.....	.10	1.00	7.00
JEAN BART. Bright crimson-red, Ivory white blotch.....	.20	2.00	15.00
*JESSIE. Rich velvety red.....	.10	1.00	7.00
JOE COLEMAN. Rich red, ruffled.....	.20	2.00	15.00
KLONDYKE. Light yellow, with crimson.....	.10	.90	6.00
KOENIGIN WILHELMINA. Clear salmon pink, cherry red blotch, edged white.....	.20	2.00	15.00
LA LORAIN. Bright salmon-rose, blotch dark purplish red.....	.25	2.50	....
L'INNOCENCE. Delicate bluish suffused rose, yellow blotch with faint carmine stripes.....	1.00	10.00	....
LOVELINESS. Cream pink. Many flowers open at the same time, very large, broad and showy spike.....	.20	2.00	15.00
LUSTROUS. Large flowers of lovely orange-rose; lower petals have a large throat blotch of yellow, slightly shot with purplish-lake.....	.20	2.00	15.00
LUTIN. Cherry red with deep crimson blotch.....	.25	2.50	18.00
MADAME MONNET. Delicate rose pink, the rose petals have a large throat blotch of yellow.....	.10	.90	6.00
MRS. W. E. FRYER. Bright scarlet.....	.35	3.50	....
MENTOR. Slate color with a rosy hue, red blotch on white ground.....	.40	4.00	....
*MARY BLACKMAN. Flowers salmon-rose; feathered and pencilled with carmine.....	.20	2.00	....
*MARGARET. A brilliant carmine, with a large white blotch on the lower petals, the white and carmine blending into a violet tint. The spike is straight and strong.....	.20	2.00	15.00
MERCEDES. Carmine rose and pale rosy-white; red blotch.....	.50	5.00	....
MYRTLE. True pink, with a large white blotch on the lower petals, the white and carmine blending into a violet tint. The spike is straight and strong.....	.15	1.50	10.00
MRS. BECHER. Deep rosy crimson, throat pure white.....	.15	1.50	10.00
*MRS. FRANCIS KING. Brilliant vermilion scarlet. Most showy and effective variety for all occasions. Large Bulbs.....	.08	.75	4.00
Medium Bulbs.....	.05	.50	3.00
MRS. F. M. LUPTON. A distinct light rose. Large, well-spread flower and long perfect spike.....	.40	4.00	....
MORNING STAR. White with crimson throat.....	.10	.90	6.00
MADAME APPERT. Tall plant; large well opened flowers; carmine-rose; blotch of white on the white ground; white middle band.....	.35	3.50	....
MRS. FRANK PENDELTON. Flushed salmon pink, with rich maroon blotch on the three lower petals.....	.12	1.25	8.00
*MRS. W. S. BREWSTER. White, overlaid bluish blotched brilliant red with a creamy halo.....	.35	3.50	....
MRS. WATT. Glowing American Beauty shade of red.....	.10	1.00	7.00
MR. DR. NORTON. Pure soft white with tips of petals suffused La France Pink. Wonderful variety.....	1.00	10.00	....
MARIE THERESE. White with a few rosy stripes.....	.15	1.50	10.00



EUROPE



AMARYLLIS



SILVERETTA

NIAGARA. —A delightful cream shade blending to Each	Doz.	100
canary yellow, splashed with carmine.	\$0.10	\$1.00 \$7.00
NEGERFURST. —Velvety red	.35	3.50
NEZINSCOTT. —Bright blood scarlet with deep velvety		
crimson-black blotch and white mottlings.	.12	1.25 8.00
ORANGE GLORY. —Bright orange with slight purple		
and white markings in throat.	.35	3.50
OWOSSO. —Straw yellow, deeper golden yellow on lower		
petals.	.25	2.50
OVID. —Coppery scarlet. Very fine.	.35	3.50
PANAMA. —A grand variety, which evokes words of		
praise wherever exhibited. Color, rich salmon-pink.	.10	1.00 7.00
PEACE. —A grand white flower, very large, with pale		
violet feathering on lower petals; flowers correctly		
placed on a tall graceful spike. Should be planted early.	.10	1.00 7.00
PHLEGTON. —Dazzling scarlet-red, violet-red blotch.	.75	7.50
PINK PERFECTION. —Delicate apple blossom pink.	.15	1.50 10.00
* PRINCEPS. —Brilliant scarlet crimson, carrying mostly		
three white blotches on lower petals.	.10	1.00 7.00
PRIMULINUS (Kunder's).		
Alice Tiplady. Orange saffron.	.35	3.50
Angela. Canary yellow.	.25	2.50 15.00
Angela. Salmon pink.	.15	1.50 10.00
North Star. Deep yellow.	.20	2.00 15.00
Regulus. Orange salmon, with delicate yellow.	.20	2.00 15.00
Sweet Orra. Pale sulphur.	.15	1.50 10.00
PRIMULINUS MAJOR HYBRIDS. —The range of		
colors is very remarkable, from the purest and lightest of		
yellows down to the deepest orange and from the softest		
shade of salmon pink down to a rich crimson. On		
account of their slender and graceful habit, delicate		
colors and peculiar shape of the flowers these Hybrids		
are ideal for in-door decorations.	.10	.90 6.00
PRINCE OF WALES. This is in our estimation one of		
the best novelties of recent introduction. The flowers are		
large and well placed and the color is a most charming		
coral pink. It is evidently a sport of "Halley" but an		
improvement on it in every way, being larger and of taller		
growth and also somewhat earlier; also it has a more		
delicate tint and is practically without throat markings.		
We are very certain that this is a variety of superior merit		
and recommend it to our customers unreservedly as one of		
the best of its kind. A lovely coral-pink.	.20	2.00 15.00
PRIDE OF GOSHEN. Salmon or flesh pink.	.15	1.50 10.00
PRINCEPINE. Seedling of Princeps, beautiful red with		
large white blotch.	.10	1.00 7.00
RUBY KING. —Intense dark, ruby red.	.10	1.00 7.00
RUFFLED GLORY. With "Ruffled" Petals—Delicate		
pink, with crimson stripe in the center of each lower petal.		
The broadly expanded, wide open, paired flowers, all face		
in the same direction and are carried on straight, stout		
3 1/4 foot stalks. Each petal is exquisitely ruffled.	.15	1.50 10.00
ROSE SPRAY. White, beautifully sprayed rose.	.10	.90 6.00
SCRIBE. Tender rose, tinted white, striped carmine.	.10	.90 6.00
SHAKESPEARE. Blush white, with large rose blotch.	.10	.90 6.00
SILVERETTA. Blush white with carmine blotch.	.35	3.50
SCHWABEN. Clear canary yellow, shading to soft sulphur	.12	1.25 8.00
SPHINX. —Very tall plant; long spike of pure lilac red		
flowers, with a purplish-red blotch on each lower petal		
on the lower petals.	.35	3.50
SULPHUR KING. Clear sulphur yellow.	.15	1.50 12.00
VELVET KING. Dark scarlet, similar to Brechtleyensis.	.10	1.00 7.00
VIOLA. —A very large Lemniscate type flower of exquisite		
mauve-blue, gradually shading to rich violet at the		
edges; throat tinted canary with purple-garnet.	.30	3.25
WAR. Deep blood shaded crimson-black.	.15	1.50 10.00
WILLY WIGMAN. Creamy white, scarlet blotch.	.10	1.00 7.00
WILD ROSE. Delicate rose.	.10	1.00 7.00
WINSOME. Great round flowers of exquisite blush,		
shot and shaded with carmine pink. A conspicuous		
throat blotch of crimson-lake.	.25	2.50

SPHINX

GLADIOLUS IN COLORS

	Doz.	100		Doz.	100
Blue shades	\$1.00	\$7.00	Scarlet with White	\$0.60	\$4.00
Lilac and Violet	2.00	15.00	Striped Shades	.60	4.00
Pink	.50	3.25	White and Light	.60	4.00
Pink and White	.75	5.00	Yellow Shades	.75	5.00
Scarlet and Red	.50	3.25			

VAUGHAN'S RAINBOW MIXTURE

This name has been chosen by us for the highest quality blendings of the many excellent named varieties shown on this page, including French kinds with several other choice varieties of which we do not have sufficiently large quantities to offer in our catalogues. This is the best mixture we can make up, and we believe unexcelled by that offered by any American firm.

Price, doz., \$1.00, postpaid; by exp., 50 for \$2.75; 100 for \$5.00; 250 for \$12.00; per 1000, \$45.00.

EXTRA FINE MIXED

This mixture contains many of the new named sorts used in the "Rainbow" with fifty per cent. of standard best kinds mixed together. This insures a wide range of colors, shades and types.

Doz., 75c, postpaid; by exp., 50 for \$2.25; 100 for \$4.00; per 1000, \$32.00.

VAUGHAN'S EARLY HYBRIDS MIXTURE

During the past seasons we have had numerous calls for a mixture made up of early blooming varieties, so we have decided this season to offer "VAUGHAN'S EARLY HYBRIDS MIXTURE," which contains a wide range of colors of the leading early blooming varieties, in addition to a number of seedlings that bloom early. A trial should be given this mixture. Doz., 75c, 100, \$4.00; 1000, \$32.00.

VAUGHAN'S STANDARD MIXED

We have thrown away all the common and cheap left-overs which our trial grounds have proved to exist in old mixtures. We do not send out any mixtures that will not make a brilliant showing in the gardens of our customers. This one, "STANDARD MIXED," will be found satisfactory everywhere, except where special named kinds are wanted. They are useful for mixed beds, borders and masses.

Price, doz., 45c, postpaid; by express, 50 for \$1.60; 100 for \$2.75; 250 for \$6.75; 500 for \$13.00; per 1000, \$25.00.

HOMEWOOD MIXTURE

This is a fine grade of bulbs, about one inch in diameter, all blooming size, selected from some of the choice kinds we grow in large quantities on our farms. They will give as large a spike as a fully matured bulb, but as they do not come up to the specified size for our regular trade, we make this special offer to those who want a moderately priced grade of some of the choicest kinds. The best pinks, whites, reds, and many odd and pleasing shades are included.

Price, prepaid, 50 bulbs for \$1.00; by express, 15c purchaser's expense, 250 for \$4.00; 500 for \$7.00.

SPECIAL OFFER NO. 100B. Two each of the following six varieties sent by mail, postpaid, for 75c: Mrs. Francis King, America, Chicago White, Schwaben, Halley, Baron J. Hulot.

SPECIAL OFFER NO. 200B. Two each of the following six varieties sent by mail, postpaid, \$1.00: Chicago White, Chicago Salmon, Chicago Red, Peace, Klondyke, Panama.

SPECIAL OFFER NO. 300B. Two each of the following six varieties sent by mail, postpaid, for \$1.25: War, Margaret, Primulinus, Sunbeam, Mrs. Frank Pendleton, Pink Perfection, Baron J. Hulot.



CALADIUM ESCULENTUM
AMARYLLIS

Very popular for house culture and easily grown by everyone, the chief point being to give the bulbs alternate periods of rest and growth. (Cultural leaflet free on request.)

VAUGHAN'S NEW HYBRIDS

One of the finest strains of *Amaryllis* we have yet seen, raised by an eminent grower whose stock we have purchased out and out. Flowers are immense, borne mostly two and three to a stem, in an amazing and beautiful range of colors, blended, splashed and striped in a manner not seen in other strains.

Price, Large, 3-inch Bulbs, each, 60c; doz., \$6.00; 25 for \$10.00, both prepaid.

BELLADONNA MAJOR. Fine variety for fall blooming, very free flowering and fragrant. Flowers which are a lovely shell pink color, are borne on stems 2 to 2½ feet high.

Price, each, 35c; per dozen, \$3.50; per 100, \$25.00 (exp.)

APIOS TUBEROSA Splendid hardy climber that is not well enough known. Will grow to a height of 8 to 10 feet, vine and foliage resembling a miniature *Wistaria*; are very fragrant and of a deep purple color.

Price, each, 10c; per doz., 60c; postpaid; 100, \$4.00 (exp.)

CALLAS *Elliotiana* (Golden Yellow Calla). The most sensational advance in Calla Lily flowers this century. A good bloomer, very distinct. You will be delighted with its wonderful flowers and rare coloring; leaves green, spotted white.

Mammoth bulbs, each, 50c; doz. \$5.00; per 100, \$40.00.

Medium bulbs, each, 40c; doz. \$4.00; per 100, \$30.00.

CHLIDANTHUS FRAGRANS Of free flowering habit, with beautiful lemon flowers; very fragrant. Each, 10c; doz. 85c. Prepaid.

CINNAMON VINE Well-known hardy climber; quick growing, with beautiful glossy heart-shaped leaves and sweet-scented flowers. Will run 25 to 40 feet in a season.

Large Roots, each, 10c; 3 for 25c; doz. \$1.00, postpaid; per 100, \$6.00, by exp.

MONTBRETIA Hardy bulbous plant, forming erect tufts of grassy foliage 2-3 feet in height, producing an abundance of branching wiry stems. Good for cutting.

Crocoseaflora. Orange. Each, 10c; doz., \$1.00; 100, \$7.00.

TUBEROSES, Double and Single

One of the best known and most easily grown summer flowering bulbs. Easily recognized by its exquisite fragrance and beautiful flower spikes, which are borne on long stems, making it an admirable cut-flower for house decoration. If started in pots and then transplanted to open ground can be had much earlier.

EXCELSIOR DWARF PEARL Our Excelsior Dwarf Pearl is a special selection, made for many years of the most dwarf double and full flowered spikes, and is exceptionally sturdy and dwarf in habit; the highest type of all.

NAMMOTH SIZE. Price, each, 15c; doz., \$1.50, postpaid.

FIRST SIZE BULBS. Price, each, 10c; doz., \$1.00, postpaid; per 100, \$6.00, by exp.

SECOND SIZE BULBS. Often sold by "bargain-stores" under the name "first-class."

Each, 6c; doz., 60c; postpaid; per 100, \$4.00, by exp.

ARMSTRONG'S EVER-BLOOMING. This variety blooms year after year and has a fragrance similar to the "Jasmine." Price, each, 7c; doz., 75c; postpaid; per 100, \$5.00, by exp.

SILVER-LEAVED. This is an early single kind, with striped leaves, making a grand show with its striking foliage. Price, each, 7c; doz., 75c; postpaid; per 100, \$5.00, by exp.

ALBINO. Branching single variety, early bloomer. Price, each, 7c; doz., 75c; postpaid; per 100, \$5.00, by exp.

MEXICAN TUBEROSE These come from the high table land of Central Mexico. They have tall, stiff stems, flowers pure white, single. They have except hard frosts, commence to bloom in May and are a mass of white until frosted. Price, each, 7c; doz., 75c; postpaid; per 100, \$5.00, by exp.

Summer Flower Bulbs

These roots are matured so their flowering is certain. They often succeed when seedlings and tender plants fail.

Our popular Cannas have made Chicago Parks flower beds famous. Our *Caladiums* make a tropical display.

Vaughan's *Gladioli* are seen in midsummer in thousands of vase displays, hotels, restaurants and private homes. Select our named kinds or mixtures for your garden and you will astonish your guests at every dinner party from July to October.

Price given for single bulb and certain dozen prices includes prepayment. Other quantities are not prepaid free unless so marked. See back inside cover page for exact particulars. (Word "Exp." means sent at buyer's expense.)

CALADIUM ESCULENTUM (Elephant's Ear)

One of the most effective and easily grown foliage plants for the lawn or border. Can be used with good effect as a border for tall-growing Cannas when edged with *Coleus* or other low-growing foliage plants. (For started plants, May 20, add 5 cents per plant to these prices.)

FIRST SIZE BULBS. 5 to 7-inch circumference.

Price, each, 10c; by exp., doz., \$1.00; per 100, \$7.00.

SELECT SIZE BULBS. 7 to 9-inch circumference.

Price, each, 15c; by exp., doz., \$1.60; per 100, \$11.00.

EXTRA LARGE BULBS. 9 to 11-inch circumference.

Price, each, 25c; by exp., doz., \$2.50; per 100, \$18.00.

MAMMOTH SIZE. 12-inch and up circumference.

Price, each, 40c; by exp., doz., \$4.00.

Mailing weights and size per dozen bulbs as follows: First 4 lbs., Select 6 lbs., Extra 10 lbs., Mammoth 17 lbs.

HYACINTHUS CANDICANS (Summer Hyacinth). Perfectly hardy and of vigorous growth. Flowers are pure white and pendulous, four feet high.

Price, each, 10c; doz., \$1.00, postpaid; by exp., 100, \$6.00.

IPOMOEA PANICULATA (Mexican Morning Glory.) Introduced and at present supplied only by us. The vine grows 25 feet long, and the leaves are 10 inches apart, with a cluster of pinkish lavender flowers at each leaf. Store roots, same as Dahlias.

First Size. Price, each, 35c; doz., \$3.75 (exp.)

Extra Size. Price, each, 50c; doz., \$5.00 (exp.)

ISMENE CALATHINA Flowers are pure white, borne three or four on a stem, and are very fragrant. Not hardy. Treat bulb same as *Gladioli*. Price, each, 15c; doz., \$1.50 prepaid; per 100, \$10.00 (exp.)

MADEIRA VINE One of the best and most popular climbers for foliage effect. Price, each 10c; doz. \$1.00, postpaid; per 100 \$6.00 (exp.)

OXALIS (Summer Flowering). These useful little plants are very effective in masses or beds and are particularly valuable for edgings. They produce an unbroken row of foliage about one foot high and continuous bloom. Colors, White, Red, Pink. Price, either color, doz., 30c; 100 for \$1.25, postpaid; per 1,000, \$7.00 (exp.)

ZEPHYRANTHUS One of the prettiest and most easily grown bulbs for pot culture. Plant three or four bulbs in a five or six-inch pot. Treat in garden same as *Gladioli*.

CANDIDA. Pure white and the most profuse bloomer of all. Price, each, 10c; doz., 75c; postpaid; 100, \$5.00 (exp.)

ROSEA. Beautiful clear rose; flowers large and very handsome. Each, 15c; doz., \$1.60, postpaid; per 100, \$12.00 (exp.)



OUR Trade-Mark



MEXICAN TUBEROSE



TUBEROSE—EXCELSIOR PEARL



CINNAMON VINE

delightfully fragrant. They withstand all kinds of wind and weather except hard frosts, commence to bloom in May and are a mass of white until frosted. Price, each, 7c; doz., 75c; postpaid; per 100, \$5.00, by exp.

Vaughan's Lily Bulbs

For Pot Culture or Out-door Planting in Beds or Hardy Plant Border

FOR color, fragrance, beauty and variety of form, nothing can equal these grand flowers; whether grown in pots or grouped in the hardy plant border, where their hardiness makes them so desirable, they are always an object of beauty, and by judicious selection one can have a continuous bloom from early summer until fall.

Free pamphlet, "Naturalizing Lilies," ask for it with order.

Outdoor Culture.—When planting Lilies out of doors, see that they have a well drained position, and where they will be shaded from every hot sun. Such places can usually be found around the shrub borders, and in the hardy plant border.

Spade over the ground thoroughly to a depth of 18 inches before planting Lilies and enrich it by adding equal portions of leaf-mould, peat and rotten manure. Plant the bulbs 4 to 6 inches deep, putting some sand under and around the bulbs.

Indoor Culture.—Lilies should be potted immediately upon receipt, if intended for growing in pots or for forcing. In potting use a compost of fibrous loam and sweet decomposed leaf soil, with plenty of coarse sand or a mixture of good peat, loam and sand, adding to the compost a few pieces of charcoal. See that the pot is well drained. The bulb should be set about half-way down in the pot and barely covered with soil, thus leaving room to top dress and fill the pot with more soil when stems appear above the bulb. After potting, give a thorough watering and set outside in a cold frame or shady situation, then cover with ashes or long straw. After they have stood from three weeks to a month and thoroughly rooted, bring inside, in a temperature of about 60°; let the plants grow slowly under a bench or some other suitable place until about 6 inches high; then place on top of the bench. An occasional application of liquid cow manure, starting about six weeks before flowering time will stimulate the plant wonderfully. Thorough rooting is essential.

Lily Bulbs by Parcel Post. For postage Zone rates see inside back cover.

Approximate Weights of Liliiums. 8-9 inch, doz., 4-5 lbs.; 9-11 inch, doz., 7-6 lbs.; 11-12 inch, doz., 9-10 lbs.

Auratum Platyphyllum

This is without a question one of the most wonderful Lilies in cultivation. The leaves are very long and broad and the stems attain a height varying from 7 to 10 feet. The flowers are similar in color to Auratum, heavily spotted but much larger, the petals more overlapping, and of greater substance. **First Size** (8 to 10 inches), each, 50c; doz., \$5.00.

Lily of the Valley

Cold Storage.

For forcing. Very fragrant and producing in abundance. Plant about 25 pips in a 7-in. pot or pan, place in a warm temperature, 65° F., and shade from light until leaves and spikes are well developed then admit light gradually. Increase temperature to 75° or 80° if possible. An inverted pot over each potful answers admirably. This is the treatment for cold storage pips only. They bloom in from 18 to 21 days.

VAUGHAN'S PERFECTION PIPS

Per case, 100 pips, \$7.00. We do not sell less than case.

Large Clumps. For outdoor planting, clumps are best to plant. They do best in a shady, moist place. We especially recommend the clumps for outdoors, as they give a quicker and better effect at less cost. Each, 75c postpaid.



LILIUM SPECIOSUM RUBRUM



LILIUM AURATUM

Lilium Auratum

The Gold-banded Lily of Japan

The most beautiful variety of all the Lily family; should be in every garden. Flowers white, dotted crimson, with a clear golden band running through the center of each petal; very fragrant. A splendid lily for pots, or for planting out in the shrub or plant borders. In either way it is very handsome, its large flowers and delicious perfume make it one of the most valuable of all. It is perfectly hardy with ordinary protection and suitable soil.

First Size (8 to 9 inches), each, 35c; doz., \$3.50; 100, \$25.00.
Mammoth (9 to 11 inches), each, 50c; doz., \$5.00; 100, \$36.00.
Jumbo. 11-12 inches, each, 75c; doz., \$7.50.

Lilium Speciosum—Lance-leaved Lily

These Lilies are probably the most popular of all, succeeding equally well in open border or in pots. When fully open, the petals recurve gracefully on the flower stem, exposing the beautiful rose and crimson markings, which characterize the **Rubrum Magnificum**.

Album—Pure White. **First Size** (8-9 in.) \$0.40 \$4.00 \$30.00
Mammoth (9-11 in.) .60 6.00 45.00

MAGNIFICUM—White, spotted and rayed rose red. We consider this the most satisfactory of the Speciosum class.

Each Per Doz. Per 100
First Size (8-9 in.) \$0.35 \$3.50 \$25.00
Mammoth (9-11 in.) .50 5.00 36.00
Jumbo (11-12 in.) .75 7.50

Lilium Myriophyllum (New)

A New and very rare lily from China. The flowers are white, shading to yellow in the center, with a pink tinge on the outer edges. A strong grower, some 3 or 4 feet high. It is deliciously scented, and its extreme hardiness makes it a valuable lily for out door planting. Each, 60c; per doz., \$6.00.

Various Hardy Lilies

Canadense.—(Meadow Lily.) Gracefully drooping, bell-shaped, red and yellow flowers typical of our northern meadows. Each Doz. 100 \$0 15 \$1 60 \$12 00
Henri. A new, rare, and very beautiful Lily from China. The flower stalks, 3 to 5 feet high, carry 5 to 8 large flowers each; apricot spotted brown. 60 6 00
Elegans Mixed. A splendid assortment of this type. 15 1 60 12 00
Kramer. Delicate rose pink of elegant outline and graceful habit. Blooms in July. 35 3 25 25 00
Superbum. The finest of the native Lilies. Flowers bright orange, spotted purple. 15 1 60 12 00
Tigrinum Splendens. Very hardy native Lily; orange, spotted purple. 20 2 00 15 00
Tigrinum Flore Pleno.—(Double Tiger Lily.) The well known double Tiger Lily. Rich orange blossoms, 4 foot. 20 2 00 15 00
Tigrinum Fortunei.—(Improved Tiger Lily.) Bulbs will produce more flowers than the ordinary variety
Umbellatum. Colors range from deepest red through all shades of crimson, rose, yellow, buff and apricot. 20 2 00 15 00

Vaughan's Perennial Flower Seed

PERENNIAL plants usually bloom from seed the second year from sowing although many varieties flower the first year if sown early.

An ideal way to plant is in a seed bed in May, June or July and even early August, and transplant the seedlings when large enough to handle to their permanent location where they are to flower. Perennials usually multiply and plants may be divided when too large.

Those who own their homes ought to invest in ten or more new varieties each year. They are satisfactory inasmuch as after they become established they practically take care of themselves. Perennials generally have their own time of blooming so you can expect a bed of the same color at the same time each year if the plants are

Special Offer of Perennial Seeds: Any 3 10c pkts. for 25c; any 2 15c pkts. for 25c.

undisturbed. Some kinds, like the Delphiniums, bloom twice in a season provided the first flowers are removed before the seed pods form.

Some varieties, like the Shasta Daisy and Gaillardia, bloom the entire summer. For an amateur, we would suggest the following varieties with which to begin a collection. These succeed with little care and flower nearly all season: Carnation Grenadin, Coreopsis, Dianthus Barbatu, Dianthus Plumarius, Delphinium, Gaillardia, Hollyhock, Poppy Nudicaule, Pyrethrum and Shasta Daisy.

If interested in larger amounts (by weight), please submit list of requirements for quotation. In many varieties we can quote up to 1 lb. or more.



AQUILEGIA—Long Spurred

- 5000 **ACANTHUS Latifolius**. Aug. 3 ft. Handsome plant, broad deeply cut leaves; beautiful for solitary plants in lawn or for grouping with other plants. Pkt., 10c.
5001 **Mollis**. Flower spikes 4 ft. high of white and lilac flowers. Pkt., 10c.
5003 **ACHILLEA (The Pearl)**. 2 ft. June to August. Pure white, fine for cutting; blooms all summer. Pkt., 15c.

ACONITUM (Monkshood)

- R**OOFS are poisonous, with hood spikes of hood-shaped flowers, valuable for cutting; very effective in flower borders and shrubberies, thriving anywhere.
5004 **Fischeri**. 2 ft. Sept. Large porcelain blue flowers. Pkt., 10c.
5005 **Napellus**. 2½ ft. August. Fine rich blue flowers. Pkt., 5c.
5008 **ADLUMIA Cirrhosa (Alleghany Vine)**. 15 ft. The feathery foliage is like the Maidenhair Fern. Delicate rose pink and white flowers cover the plant. Pkt., 10c.
5009 **ADONIS Vernalis**. 18 in. May. Large star-shaped yellow flowers. Pkt., 10c.
5010 **AGATHAEA Coelestis (Blue Daisy)**. Flowers sky blue with yellow disk of easy growth. Pkt., 10c.
5011 **AGROSTEMMA Coronaria Varieties Mixed**. Attractive free-flowering, producing bright colored flowers on long, slender stems like a single pink; blooms the first season; fine for cutting; 1 to 2 ft. June-September. Pkt., 10c.
5012 **Flos Jovis**. 1 ft. Beautiful pink flowers. Pkt., 5c.
5013 **ALYSIMUM (Madwort) Saxatile Compactum (Basket of Gold)**. 1 ft. May. Greatly prized for its masses of golden yellow flowers. Pkt., 10c.
5015 **AMPELOPSIS Veitchii (Boston Ivy)**. Small leaved, self-clinging, Virginia Creeper. Pkt., 10c.

- 5016 **ANCHUSA Italica, Dropmore Variety**. 3 ft. June-July. Beautiful gentian blue, flowers one of the best perennials. Pkt., 15c.

ANEMONE (Wind Flower)

- V**ERY pleasing hardy plants for the herbaceous border. Fine large flowers, few plants compare with them in beauty. Excellent for bouquets and table decorations.
5019 **Coronaria (Poppy Anemone) Mixed Colors**. June. 10 in. Pkt., 10c.
5020 **St. Brigid's Strain**. May-June. Double and single mixed. 12 in. A beautiful selection of the Coronaria varieties in a wonderful array of colors. Pkt., 15c.
5021 **Pulsatilla**. 10 in. Blooms in May. Flowers violet or purple. Pkt., 10c.
5022 **Sylvestris (Snow Anemone)**. 1½ ft. May to June. One of the most satisfactory for the border; flowers cup-shaped, pure white. Pkt., 15c.
5023 **ANTHEMIS Kelwayi (Hardy Marguerite)**. 2 ft. Daisy like yellow blossoms, produced all summer. Excellent for cutting. Pkt., 10c.
5026 **Tinctoria**. Very useful yellow border plant. Pkt., 10c.

AQUILEGIA (Columbine)

- C**OLUMBINES are among the most beautiful hardy perennials producing graceful spurred flowers on stems 2 feet or more above the beautiful, dark green, divided foliage.
5027 **Canadensis (Turk's Cap)**. Handsome scarlet and orange flowers. Pkt., 10c.
5028 **Chrysantha**. 3 ft. Yellow, long spurred. Pkt., 10c.
5029 **Chrysantha Fl. Pl.** 3 ft. Double golden yellow flowers. Pkt., 10c.
5030 **Chrysantha Grandiflora Alba**. 3 ft. Large flowering, pure white, long spurs. Pkt., 10c.
5031 **Coerulea (Rocky Mountain Columbine)**. 3 ft. One of the most beautiful of our native American flowers. Sepals, deep blue; petals, white. Pkt., 10c.
5032 **Coerulea Hybrid**. 2½ ft. Long spurred hybrids. Pkt., 10c.
5033 **Coerulea Rosea (Rose Queen)**. 2½ ft. Beautiful flowers of light to dark rose with white center and yellow anthers, a most delicate combination of colors. Pkt., 15c.
5034 **Helena**. Flowers blue and white. Pkt., 25c.
5035 **Mrs. Scott Elliott's Strain of Long Spurred Hybrids**. The flowers are very large and of distinct shades of blues, lavenders, mauves, whites, creams, pinks, reds, yellows, etc. Many of these colors being entirely new in the species and are the result of very many years careful hybridisation. Pkt., 25c.
5036 **Long Spurred Columbine**. Mixed. Pkt., 15c.
5037 **Nivea Grandiflora**. 15 in. Large pure white. Pkt., 10c.
5039 **Skinneri (Mexican Columbine)**. Large scarlet and yellow flowers. Pkt., 15c.
5040 **Vervaeana Atrovioleacea Plen.** Double dark violet. Pkt., 15c.
5042 **Vulgaris Alba Plena**. 2 ft. Double white flowers. Pkt., 10c.
5043 **Single Mixed**. Many varieties. Pkt., 10c.
5044 **Double Mixed**. Pkt., 10c.
5047 **Vaughan's Special Mixture** includes all the above mentioned varieties and many new colors not found in any named collection. Pkt., 25c.

ARABIS (Rock Cress)

- C**HARMING dwarf spring-flowering plants of easy cultivation; valuable for beds, edgings.
5048 **Alpina Flore Pleno**. 6 in. Large masses of double pure white flowers. Pkt., 10c.

- 5051 **ARISTOLOCHIA Siphon (Dutchman's Pipe)**. 30 ft. Very large, showy foliage. One of the best climbing plants grown. Flowers of various colors. Requires protection in winter. Pkt., 10c.

ARMERIA (Thrift, Sea Pink)

- G**RAND plants for crevices of walls and rocks, and also for growing in flower borders or as permanent edgings; excellent plants for the sea coast. June-July.
5052 **Formosa**. 9 in. Pretty rose pink. Grand for borders. Pkt., 10c.
5054 **Maritima**. 3 in. Silvery pink flowers. Pkt., 15c.
5056 **ASCLEPIAS Tuberosa (Butterfly Weed)**. 2 ft. One of the most showy of our native perennials and producing from July until frost, compact umbels of brilliant orange flowers. Pkt., 10c.

ASTER

- N**OW fill a most important place in all hardy flower gardens, lighting up the borders and shrubberies with their masses and clouds of dainty and brightly colored blossoms throughout the autumn months up to November, when other flowers are scarce.
5064 **Large Flowering Mixed**. Various shades of blue. Pkt., 25c.
5071 **BAPTISIA Australis (False Indigo)**. 2 ft. Beautiful racemes of pea-shaped light blue flowers appearing in midsummer. Pkt., 10c.
5084 **BEGONIA Cordata (Plume Poppy)**. 5 ft. A handsome border plant, having large lobed heart-shaped leaves with silvery undersurface, and flower plumes of a pretty cream color. Pkt., 10c.



CAMPANULA—Canterbury Bell

Vaughan's Perennial Flower Seed



DAISY—Shasta

- 5085 **BOLTONIA** Asteroides (False Chamomile). 6 ft. White. Large daisy-like flowers, valuable for cutting. Pkt., 15c.
5086 **Latisquama**. Delicate pink. Pkt., 10c.

CAMPANULA (Bell Flower)

- B**ELL shaped flowers, well-known; equally useful for flower border, shrubbery or wild garden.
5090 **Carpatia** (Hardbell). 9 in. July. Pretty blue dwarf. Pkt., 10c.
5091 **Alba**. 9 in. July. Pure white. Pkt., 10c.
5092 **Calycanthema** (Cup and Saucer). 2 ft. June to August. Mixed colors. Pkt., 10c.
5093 **Calycanthema White**, (5094 Pink, (5095) Blue. Each, pkt., 10c.
5102 **Latifolia** (Macrantha). 3 ft. Erect stems, large bells, violet blue. Pkt., 15c.
5104 **Medium** (Canterbury Bell). 2 ft. Single White. Pkt., 10c.
5105 **Single Blue**. 5106 **Single Pink**. Pkt., 10c.
5108 **Mixed Colors** (Canterbury Bells). Pkt., 10c.
5108a **Double White**. Pkt., 10c.
5108b **Double Blue**. Pkt., 10c.
5108c **Double Pink**. Pkt., 10c.
5109 **Double Mixed**. Pkt., 10c.
5111 **Persicifolia** (Peach Bells). Blue, 2 ft. Pkt., 15c.
5112 **Alba**. White. Pkt., 15c.
5112a **Moerheimi**. Large white semi-double flowers. Pkt., 25c.
5113 **Mixed**. Blue and White. Pkt., 10c.
5114 **Pyramidalis** (Chimney Bellflower). Blue. 5-6 ft. Pkt., 10c.
5115 **Pyramidalis Alba**. Pkt., 15c.
5116 **Pyramidalis Mixed**. Pkt., 10c.
5117 **Vaughan's Special Mixture**. A grand assortment of all varieties. Fine for cut flowers. Pkt., 25c.

CANDYTUFF See Iberis

CANTERBURY BELL See *Campanula Medium*
CARNATION (Hardy)

- OLD-FASHIONED** flowers, valuable for border decoration and cutting.
5118 **Grenadin**. Yellow. Pkt., 15c.
5119 **Grenadin**. Triumph (rose). Pkt., 15c.
5120 **Grenadin**. Dark velvety brown. Pkt., 15c.
5121 **Grenadin**. Scarlet. Perfectly hardy. Pkt., 10c.
5122 **Grenadin White**. Splendid cut flowers. Pkt., 20c.
5123 **Vienna Dwarf**. White. Pkt., 15c.
5124 **Vienna Dwarf**. Rose. Pkt., 15c.
5125 **Vienna Dwarf Mixed**. Pkt., 10c.
5126 **Double Mixed**, Extra Choice. Pkt., 15c.
5127 **CASSIA Marylandica** (American Senna). 2 1/2 ft. A very desirable bushy plant with Nile green foliage and panicles of yellow pea-shaped blossoms. Pkt., 10c.

CENTAUREA (Hardheads, Knapweed)

- J**ULY-AUGUST. Good plants for the flower border or wild garden, with thistle-like flowers.
5132 **Montana** *Alba*. 2 ft. White, very showy. Pkt., 10c.
5133 **Montana** *Blue*. 2 ft. Beautiful blue hardy Cornflower. Pkt., 10c.

- 5137 **CERASTIUM** *Tomentosum* (Snow in Summer). 4 in. Silvery white foliage, covered with snow white flowers in early summer. Pkt., 15c.
5138 **CHEIRANTHUS** *Allionii*. 1 ft. Fine rock or border plant with orange flowers. Pkt., 10c.
5140 **CHELONE**. *Hybrida*, Mixed. (Turtle Head). 3 ft. July and August. Allied to Penstemon; throws out long spikes of brilliantly-colored flowers. Pkt., 10c.
5141 **Lyoni**. 2 ft. Freely covered with rosy purple flowers. Pkt., 15c.
5143 **CHRYSANTHEMUM** *Maximum* (Moon-penny Daisy). 2-3 ft. Hardy white daisy, excellent for cutting. Pkt., 10c.
5144 **King Edward VII**. 2 1/2 ft. Very large white flowers on stout stems. Pkt., 10c.
5145 **Market Favorite**. Produces an enormous number of well-formed, pure white flowers, evenly distributed and flowering at one time. Pkt., 15c.
5146 **Mrs. C. Lothian Belle**. Large white daisy-like flowers. Pkt., 15c.



COREOPSIS *Lanceolata*

- CIMICIFUGA** (Snake Root). Aug. to Oct. **V**ALUABLE for late flowering, beginning in September and continuing throughout October.
5149 **Racemosa**. 4 to 8 ft. White flowers in long racemes. Pkt., 10c.
5150 **Dahurica**. 2 to 3 feet. Feathery drooping white flowers. Pkt., 15c.
CLEMATIS (Herbaceous) Summer Flowering

SEEDS slow in germinating, may not come up in a year.
5152 **Paniculata**. 15 ft. Fall-flowering vine with white flowers. Pkt., 10c.
5153 **Jackmanii**, Large Flowering Mixed. Blue, white and purple. Pkt., 15c.

COREOPSIS (Tickseed)

- J**UNE to October. Hardy plants that bloom throughout the summer.
5154 **Lanceolata**. 2 ft. Large orange-yellow flowers on long graceful stems. Pkt., 10c.
5156 **CRUCIANELLA** *Stylosa*. 6 in. Dwarf rampant carpeting plant. Bright crimson. Pkt., 10c.
5157 **DAISY** (Shasta) *Alaska*. 2 ft. Wonderful show of large white flowers. Fine for cutting. Blooms all summer. Pkt., 10c.

DELPHINIUM (Hardy Larkspur)

- S**TATELY plants with wonderful flowers produced on long spikes in various shades of white and blue. Remove the flower before the seed pods form and they will flower later in season again.
5161 **Chinese** (Blue). 2 ft. Pure blue in branching dwarf spikes. Very graceful for cutting. Pkt., 10c.
5162 **Album**. 2 ft. Pure white. Pkt., 10c.

DELPHINIUM—Continued.

- 5162a **Chinese Mixed**. Pkt., 10c.
5163 **Elatum Hybridum**, Single Mixed. 3 ft. Pkt., 10c.
5164 **Double Mixed**. 3 ft. Pkt., 15c.
5165 **Formosum**. 3 ft. Deep blue, white eye, open spike. Pkt., 10c.
5166 **Formosum** *Coelestinum*. Pale delicate blue. Pkt., 25c.
5171 **Belladonna** (Light Blue). 2 ft. Flow-ers exquisite shade of turquoise blue. Pkt., 20c.
5173 **Indigo**. (New). 4 ft. Pure indigo blue, comes true from seed. Pkt., 25c.
5174 **Nudicaule**. Dwarf brilliant scarlet flow-ers. Pkt., 25c.
5175 **Zalzi**. 3 ft. Sulphur yellow. Pkt., 25c.
5176 **Vaughan's Gold Medal Hybrids**. This strain is especially grown for us, the seed being saved from selected plants. Many of them are double flowered, and range in color from pale lavender to indigo-blue. Pkt., 25c.

DIANTHUS (Hardy Garden Pinks)

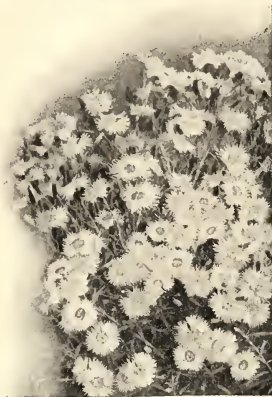
CHARMING summer flowering border plants, more or less fragrant; should be planted in full sun or open situation, adding lime or old mortar rubble to the soil at time of planting.

- 5177 **Caesius** (Cliff Pink). Flowers delicate rose color, fragrant. Pkt., 15c.
5179 **Deltoides**. 9 in. Masses of small deep rose flowers, neat creeping habit. An excellent rock or edging plant. Pkt., 15c.
5180 **Plumarius** *Cyclops* (Clove Pink). An exquisite mixture of colors. Pkt., 10c.
5181 **Albus Plenus**. Double white. Pkt., 15c.
5182 **Diademata**. 12 in. White, pink and crimson, flowers in great masses. Pkt., 10c.
5183 **Perfection**. 15 in. White, crimson center. Pkt., 15c.
5184 **Nanus Fl. Pl.** Double dwarf mixed. Pkt., 15c.
5185 **Semperflorens**. 15 in. Single and double, flowers all spring and summer. Mixed colors. Pkt., 15c.
5186 **Single Mixed**. Delicately fringed flow-ers. Pkt., 10c.
5187 **Double Mixed**. Fine for cutting. Pkt., 10c.
5188 **Vaughan's Special Mixture**. A grand selection of clove pinks of the above Plumarius type and others. Pkt., 20c.
5189 **Latifolius Atro-coccineus Plenus**. 15 in. Double fiery crimson. Pkt., 10c.



DELPHINIUM—Gold Medal Hybrids

Vaughan's Perennial Flower Seed



DIANTHUS (Hardy Pink)

DIANTHUS BARBATUS

(Sweet William)
18 to 24 in.

THE varieties offered are an improvement on the old-fashioned kinds, inasmuch as the colors and size or flower are far superior, being grown from select seed. Sweet Williams look well in solid beds of masses and require a good, rich well manured soil to grow them to perfection, excellent border plants and fine for cut flowers.

Single Varieties

- 5192 *Scarlet Beauty*. A charming and distinct color. Pkt., 15c.
5193 *Copper Red*. A new and rich color. Attractive for cut flowers. Pkt., 15c.
5194 *Diadematus*. One of the prettiest; flowers rose, spotted and sprinkled with white. Pkt., 10c.
5195 *Johnson's Giants*. The range of color includes shades which are not to be found in other strains, and the peculiar and delicate markings on the flowers are most attractive. Pkt., 15c.
5196 *Nigrescens*. Flowers almost black. Pkt., 10c.
5197 *Salmon*. A very pleasing shade. Pkt., 10c.
5199 *Albus*. Single white. Pkt., 10c.
5200 *Atro-sanguineus*. Single blood-red. Pkt., 10c.
5201 *Roseus*. Single pink. Pkt., 10c.
5202 *Single Mixed*. Pkt., 10c.
5203 *Single Giant-Flowered Mixed*. Pkt., 10c.

Double Varieties

- 5204 *White*. Pkt., 10c.
5205 *Rose*. Pkt., 10c.
5206 *Blood-Red*. Pkt., 10c.
5207 *Mixed*. Pkt., 10c.
5208 *Double Giant-Flowered Mixed*. Pkt., 15c.
5209 *Vaughan's Special Mixture, Sweet William*. A mixture of all the beautiful varieties here listed and others. This is sure to please in the varied and unique coloring and markings of the flowers. Pkt., 15c.

DICTAMNUS (Gas Plant)

- 5210 *Caucasicus*. 3 ft. Flowers pink, a strong growing variety. Pkt., 10c.
5211 *Fraxinella*. 3 ft. An old and beautiful plant with ash-like foliage and large spikes of deep pink, purple veined flowers, excellent for cutting. Pkt., 10c.
5212 *Albus*. 3 ft. Spikes of attractive pure white sweet scented flowers. Pkt., 10c.

DIGITALIS (Foxglove)

THREE to five feet. Stately old garden favorites for garden, shrubbery borders and naturalizing in suitable places.

- 5213 *Gloxiniiflora*. White. Flowers shaped and spotted like a gloxinia. Pkt., 10c.

DIGITALIS Gloxiniaeflora—Continued

- 5214 *Pink*. 5215 *Purple*. Each color. Pkt., 10c.
5217 *Mixed Colors*. Pkt., 10c.
5218 *Grandiflora*. Bright yellow. Pkt., 10c.
5220 *Maculata Iveryana*. Splendid spotted strain, mixed colors. Pkt., 10c.
5221 *Monstrosa Mixed*. Long spikes surmounted by one enormous flower. Pkt., 10c.
5222 *Purpurea Mixed*. Many colors. Pkt., 10c.
5223 *Vaughan's Special Mixture of Digitalis*. A grand mixture of the above, and many other colors, grown especially for this mixture. Pkt., 15c.

ECHINACEA (Coneflower). 4 ft.

- 5225 *Hybrida*. Flowers of various shapes, produced in a wide range of colors. Pkt., 15c.
5226 *Purpurea*. A very handsome border plant bearing large heads of rosy purple flowers, and dark central disc. Pkt., 15c.

ECHINOPS (Globe Thistle)

- HANDSOME**, strong-growing plants with thistle-like leaves and globe-shaped bristly flowers.
5227 *Ritro*. 3 ft. Metallic blue flower heads. Pkt., 10c.
5228 *Sphaerocephalus*. 4 ft. Grayish white flowers on stout stems. Pkt., 10c.
5229 *EDELWEISS*. 8 in. The true and famous Edelweiss of the Alps. The flowers are of downy texture, pure silver white and star-shaped. Succeeds in almost any not too rich soil with full exposure to the sun. Pkt., 10c.



DIGITALIS (Foxglove)

ERYNGIUM (Sea Holly)

- HANDSOME** ornamental plants for flower and shrubbery borders. Flowers July to Sept.
5232 *Alpinum*. 3 ft. Shining green leaves, large light blue flowers. Pkt., 10c.
5233 *Amethystinum*. 3 ft. Fine foliage with bluish green shoots, terminating in numerous amethyst blue thistle-like flowers. Pkt., 10c.
5234 *Planum*. 3 ft. Small steel blue globular flowers; graceful decorative plant. Pkt., 10c.

EUPATORIUM (Thoroughwort)

- 5236 *Ageratoides*. 2 ft. Pure white ageratoid-like flowers; does well in shade. Pkt., 10c.
5238 *Fraseri*. 18 in. Pure white. Pkt., 10c.

GAILLARDIA (Blanket Flower)

- JUNE to October, 2 ft. Their long-flowering period, long stems and bright colors make these one of the most valuable of perennials, being easily grown in beds or borders in ordinary garden soil.
5240 *Grandiflora Mixed*. Composite flowers, variegated with shades of red and yellow. Pkt., 10c.
5242 *Semiplena*. Double row of petals, yellow with red center. Pkt., 10c.
5243 *Compacta*. Varied colored compact flowers well above foliage. Pkt., 10c.
5245 *Maxima Kermesina Splendens*. Center crimson, canary yellow border. Pkt., 10c.

GAILLARDIA—Continued.

- 5246 *Sulphurea Oculata*. Pale yellow, maroon eye. Pkt., 10c.
5247 *New Hybrids*. Very large flowers, in a great variety of colors. Pkt., 25c.

GENTIANA

- BEAUTIFUL** hardy border and rock plants, with shades of blue surpassing those found in any other family of plants. Grow in moist shady situation in sandy loam.
5248 *Acaulis*. 4 in. Large bell-shaped deep blue flowers; spring blooming. Pkt., 10c.
5249 *Lutea (Yellow Gentian)*. 4 ft. July. Whorls of giant yellow flowers. Pkt., 10c.
5250 *GEUM Coccineum Atrosanguinea Plenum*. 1½ ft. Flowers are double, bright scarlet in color and last well when cut. Very large and profuse bloomer. Pkt., 10c.
5251 *Heldreichi*. Beautiful orange flowers produced very freely. Pkt., 10c.
5252 *Mrs. Bradshaw*. Double. The orange-scarlet flowers are very large and full, comes quite true from seed and blooms the first year. Pkt., 25c.

GOLDEN ROD—See Solidago

GYPSOPHILA

GRACEFUL border and rock plants with small flowers on light stems. Greatly prized for cutting.

- 5261 *Paniculata Flore Pleno*. A great improvement on the single-flowered type and more lasting, the flowers forming miniature balls of white petals. Not quite fixed, but about 25 per cent come true. The plant is difficult to propagate by division, and seedlings prove much more vigorous. Pkt., 25c.
5262 *Paniculata (Baby's Breath)*. 2 ft. July-Aug. Small flowers on branched stems, so thick as to give the plant a white lace-like effect. Pkt., 10c.

HELENIUM (Sneezewort)

DELIGHTFUL perennials allied to the Helianthus (Sunflower). Splendid and lasting as cut flowers.

- 5264 *Autumnale Superbum*. 5 ft. Large clear light yellow flowers in Sept. Pkt., 10c.
5267 *Bigelewi*. 2 ft. Large rich yellow flowers. Pkt., 10c.
5268 *Hoopseii*. 2 ft. May-July. Rich orange yellow. Pkt., 10c.
5269 *Riverton Gem*. 2 to 3 ft. Covered from August to October with brilliant old gold and splashes of darker shades, changing later to wall-flower red. Pkt., 15c.

HELIANTHUS (Hardy Sunflower)

PRODUCING a grand effect planted in garden beds or borders, or in the woodlands or wild garden.

- 5270 *Maximiliani*. Small and graceful flowers of deep yellow on stems 2 to 4 feet long, blooming from August to October. Pkt., 25c.
5271 *Perennial Varieties, Mixed*. Pkt., 15c.



GAILLARDIA GRANDIFLORA

Vaughan's Perennial Flower Seed

5273 **HELIOPSIS** *Pitcheriana*. A desirable hardy herbaceous plant, growing from 3 to 4 feet high, beginning to flower early in the season, and continuing the entire summer. The flowers are of a beautiful deep golden yellow color about 2 inches in diameter; of very thick texture and very graceful for cutting. Pkt., 10c.

HESPERIS MATRONALIS (Sweet Rocket). DELICIOUSLY sweet scented flowers for garden or cutting. Sow in Spring in boxes and transplant in April or May—or sow in open ground in April for later bloom.

5276 *Purpurea*. Purple. Pkt., 10c.
5277 *Alba*. White. Pkt., 10c.
5279 **HEUCHERA** (Alum Root) *Sanguinea*. 2 ft. July-Aug. Long stems of large crimson-scarlet flowers. Splendid for cutting. Pkt., 25c.

HIBISCUS (Rose Mallow) 3 to 5 ft. NOBLE shrub-like plants, with handsome green foliage, bearing throughout summer large bright flowers, from 3 to 5 inches in diameter. Very hardy. Suitable for garden and indoor use when cut.

5281 *Crimson Eye*. Creamy white flowers, large crimson center. Pkt., 10c.
5282 *Golden Bowl*. Deep cream, with a velvety maroon center. Pkt., 10c.
5283 *Moscheutos* (Rose Mallow). Very showy pink flowers. Pkt., 10c.
5284 *Mixed Mallow Marvels*. Grand assortment. Pkt., 10c.

HOLLYHOCK 6 to 8 ft. Aug. to Sept. ONE of the best hardy garden flowers. Makes a charming hedge or background. Hollyhock rust is the bane of every person who tries to grow hollyhocks. There is no remedy, but much can be done to prevent it and reduce the damage by spraying the plants with Bordeaux mixture.

Double Varieties
5286 White 5290 Salmon
5287 Pink 5291 Yellow
5288 Rose 5292 Crimson
5289 Black 5293 Blood-Red
Each color, pkt., 10c.

5297 *Newport Pink*. The finest pure pink, exquisite shade. Pkt., 10c.
5299 *Allegheny Mixed*. Flowers come single, semi-double and double, seldom less than 5 inches across, and are beautifully fringed. They are perpetual bloomers, two to four buds forming at the base of every leaf where the old-style Hollyhocks have but one or two. These buds open in succession, prolonging the flowering season until autumn. Pkt., 10c.

5300 *Vaughan's Prize Mixture*. Finest shades in perfect flowers. Pkt., 10c.



LATHYRUS—Latifolius

HOLLYHOCK—Continued.

Single Varieties
MORE permanent and hardy than the double and when planted with a deep green background, such as arbutus hedge, they afford a most striking effect. Fine among shrubbery and will last for years when once established.

5301 Red 5305 Rose
5302 Pink 5306 White
5303 Black 5307 Salmon
5304 Flesh
Each, pkt., 10c.
5308 *Mixed*. Pkt., 10c.
5309 **HYACINTHUS** *Candicans*. White Yucca-like flowers. Very decorative. Pkt., 10c.
5310 **IRIS** (Flowering Flag) *Kaempferi* (Japanese Iris). The seeds we offer have been saved from our own unrivaled collection, and should produce only varieties of the highest merit. Seed of slow germination. Pkt., 10c.

IBERIS (Perennial Candytuft) 6 to 10 in. DWARF evergreen plants, covered with blooms in spring and early summer. Excellent for rockeries or borders where bright dwarf masses are wanted.

5312 *Gibraltarica*. Pinkish white, bushy habit. Pkt., 10c.
5313 *Sempervirens*. Flowers form a sheet of whiteness. Pkt., 15c.



LUPINUS POLYPHYLLUS

5314 **INCARVILLEA** *Delavayi* (Hardy Gloxinia) 2 ft. June. Splendid gloxinia-like flower borne in large bright rose umbels. Likes a sunny situation. Pkt., 10c.
5315 *Grandiflora*. 1 ft. Dwarf crimson flowers with white and yellow throat. Pkt., 10c.

LATHYRUS Latifolius

Hardy Pea

VERY decorative climbing vines of the Pea family, for growing on fences, trellis, etc., as floral screens and for cutting. Blooms all summer.

5316 *Albus*. 6 ft. Pure white. Pkt., 10c.
5317 *Pink Beauty*. Pale pink variety. Pkt., 10c.
5318 *Rubra*. Bright rosy crimson. Pkt., 10c.
5319 *Mixed*. The above colors. Pkt., 10c.

LIATRIS

GAY FEATHER. Button Snakeroot. A group of plants of the composite family, with purple or nearly white flower-heads. Fine for the border, succeeding in any good soil. Liatris are easily grown from seed and last for years.

5320 *Spicata* (Devil's Bit). Dense spikes of rosy purple. Pkt., 10c.
5321 *Scariosa*. One of the best. Deep crimson purple in spikes 3 to 4 ft. high. Pkt., 10c.



HOLLYHOCK—Double Mixed

LINARIA (Toad Flax)

SHOWY free flowering plants of a trailing habit. Good for borders, window boxes, or rockeries.
5323 *Cymbalaria* (Kenilworth Ivy). 3 in. Dainty lilac and orange; flowers throughout summer; trailing habit. Pkt., 10c.

LINUM (Flax)

5326 *Perenne*. 2 ft. Pearly blue flowers. A graceful hardy perennial. Pkt., 10c.
5327 *Album*. Milk white flowers, very decorative. Pkt., 10c.
5328 *Mixed*. Pkt., 10c.
5329 *LOBELIA Cardinalis* (Cardinal Flower). 2 ft. July-Oct. Brilliant fiery scarlet flowers, prefers moist position. Pkt., 10c.
5331 *LUNARIA* *Biennis* (Honesty or St. Peter's Penny). Flowers white, followed by silvery seed pods, prized for winter decoration. Pkt., 10c.
5332 *Alba*. Pure white. Pkt., 10c.

LUPINUS (Lupin)

MOST beautiful hardy border plants producing tufts of soft green foliage, from which arise in continuous succession the stately spikes of bloom.

5333 *Polyphyllus* (Old-fashioned Garden Lupin). Blue. 3 ft. Stately spikes of blue, flowers all summer. Pkt., 10c.
5334 *Albus*. Large pure white spikes. Pkt., 10c.
5335 *Roseus*. 4 ft. Light and dark rose flowers on long stem; fine for cutting. Pkt., 15c.
5346 *Mixed*. Splendid blue. Pkt., 10c.
5347 *Arboreus*, *Snow Queen*. 4 ft. The beautiful white Tree Lupin, forms a bush like a flowering shrub. Pkt., 10c.
5348 *LYCHNIS Chalcedonica* (Jerusalem Cross). 3 ft. June-Aug. Burning Star. Flowers which are of the most fiery red imaginable, appear in clusters, each individual bloom forming a perfect maltese cross. Will bloom from seed the first year. Pkt., 10c.
5350 *Alpina*. 4 in. Clusters of rose colored flowers, dwarf. Pkt., 20c.
5353 *Haageana Hybrids*. Mixed, ranging from nearly white to bright scarlet. Pkt., 10c.
5354 *Vaccaria Splendens*. 1½ ft. Makes large clumps of almost evergreen foliage. Comes into bloom in early June and continues for six weeks or more. Its flowers are bright crimson; useful for cut-flowers. Without doubt one of the finest red-flowered hardy perennials. Pkt., 10c.
5357 *LYTHRUM Roseum Superbum*. 4 ft. A native perennial, good for massing, flowers rosy-lilac produced on long slender spikes. Pkt., 10c.
MYOSOTIS (Forget-Me-Not). 4 to 9 in. THE true forget-me-nots—a lovely dwarf plant for damp places, spreading rapidly and carpeting the ground. Makes excellent edgings and carpetings for beds or borders of perennial plants.
5359 *Dissitiflora*. Rich blue, early and compact. One of the best. Pkt., 10c.

Vaughan's Perennial Flower Seed



PYRETHRUM ROSEUM

MYOSOTIS—Continued.

- 5360 *Palustris*. The true Swamp Forget-me-not. Pkt., 20c.
5361 *Sempervivens*. Dwarf blue, in flower from early spring until autumn. Pkt., 20c.

WE list the seeds of *Alpestris* varieties among annuals as they are better treated as such by those who have no hot bed or cold frame accommodations for wintering the yearling plants.

OENOTHERA (Evening Primrose). 2 ft.

- SHOWY and beautiful plants for borders, beds, etc., flowering from June to October.
5365 *Fraseri*. Rich golden yellow flowers. Pkt., 10c.
5366 *Macrocarpa*. 1 ft. Long trailing stems with large yellow flowers. Pkt., 10c.

PAPAVER—Poppy

- 5367 *Nudicaule* (Iceland Poppy). 15 in. Mixed. Elegant free flowering plants bearing flowers in abundance all summer. Pkt., 10c.
5368 *Nudicaule* Yellow. 5369 Orange. 5370 White. Any color. Pkt., 10c.
5371 Double Mixed. Extra fine strain. Pkt., 15c.
5372 *Bracteatum*. 3 ft. Scarlet. Pkt., 10c.

ORIENTALE (Oriental Poppy). 3 ft.

- FOR gorgeous coloring the Oriental Poppies have few rivals among hardy plants. They produce magnificent effect in shrubberies and herbaceous borders, while by cutting they are invaluable.
5373 *Princess Victoria Louise*. Large flower, soft lilac rose color. Pkt., 15c.
5375 *Oriental Red*. Very striking color. Pkt., 10c.
5376 *Oriental Hybrids*. Mixed. Pkt., 10c.

PENTSTEMON (Beard Tongue)

- THE Pentstemons bloom persistently through the summer, and are found very useful for cut flowers, or for color masses in the garden. Easily grown in any garden soil.
5377 *Pubescens*. Rosy purple. Pkt., 10c.
5378 Mixed, all colors. A choice assortment. Pkt., 10c.
5380 Large Flowering Newest Hybrids. A splendid assortment of colors. Pkt., 15c.
5381 *Digitalis*. 2 ft. June-July. Purple and white. Pkt., 10c.
5382 *PHLOX* (Decussata). Perennial varieties mixed from a celebrated collection. Seed slow in germination and may not sprout in a year. Pkt., 10c.
5385 *PHYSALIS* Franchetti (Chinese Lantern Plant). 1½ ft. Flowers yellow with dark center. Produces balloon like husks, which turn bright red when ripe and resemble Chinese paper lanterns. Pkt., 10c.

PHYSOSTEGIA (False Dragon Head) 3 ft. June to Sept.

- 5386 *Virginica*. Dense bushes with spikes of delicate pink tubular flowers. Pkt., 10c.
5387 Alba. White. Pkt., 10c.

PLATYCODON (Chinese Moon Flower)

VERY handsome border plants of the Campanula family, the flowers in bud having the appearance of inflated balloons, they flower from June to September.

- 5391 *Grandiflorum*. Large handsome deep blue flowers. Pkt., 10c.
5392 Album. Pure white. Pkt., 10c.
5393 *Mariesii*. 1 ft. Deep blue flowers, dwarf. Pkt., 10c.

POLEMONIUM (Jacob's Ladder)

- 5395 *Coeuruleum* (Greek Valerian). 2 ft. Beautiful sky-blue spikes. Pkt., 10c.
5396 *Grandiflorum* Album. Pure white. Pkt., 10c.

POTENTILLA (Cinquefoil) 1 ft.

- 5397 *Formosa*. Strawberry-like foliage, with cherry rose colored flowers in summer. Pkt., 10c.
5399 Single Mixed. All colors. Pkt., 10c.
5400 Double Mixed. All colors. Pkt., 20c.

POPPY—See Papaver

PRIMULA (Primrose)

- 5401 *Auricula*. 6 in. flowers in early spring in colors of yellow, brown and red. Pkt., 10c.
5402 *Japonica*. Mixed. Pkt., 15c.
5404 *Veris* (Elatior). The pale yellow Oxlip, bearing flowers in umbels. Pkt., 10c.
5405 *Grandiflora*. An extra choice large-flowered mixed strain. Pkt., 20c.
5406 *Lutea Gigantea*. Fine yellow, a remarkably handsome variety. Pkt., 25c.
5407 *Vulgaris* (Common Primrose). Flowers pale yellow. Pkt., 10c.
5410 *PUERARIA* Thunbergiana (Kudzu Vine or Jack-and-the-Bean-Stalk). 50 ft. Flourishes where nothing else will grow. The large bold leaves of the brightest green afford a dense shade. Its greatest feature is its wonderful strong growth. Pkt., 10c.

PYRETHRUM

ONE of the most valuable of our early summer flowers. Charming color, and wonderful lasting properties as a cut flower, but in May and June, and frequently in August and September; of colors almost every shade, which make them foremost in this particular season.

- 5411 *Roseum*, Double Mixed. Extra choice, selected seed. Only a small percentage will be double, balance will be semi-double and single in fine variety. Pkt., 25c.
5412 *Roseum*, Single Mixed. Pkt., 10c.
5413 *Roseum* Hybridum *Grandiflorum*. Single Mixed. Pkt., 10c.
5419 *ROMNEYA* Coulteri (California Tree Poppy). 5 ft. Flowers all summer. Beautiful snowy white fragrant flowers. Pkt., 15c.

RUBRICKIA (Cone Flower)

SOMEWHAT resembling the Sunflower, but differing in the central disc of the single flowers protruding in the form of a cone. A highly ornamental Autumn-flowering plant, much valued for cutting.

- 5422 *Fulgida*, yellow. Pkt., 10c.
5423 Large Flowered Yellow. Pkt., 10c.
5424 *Newmanii*. 3 ft. Rich golden yellow with central black disc. Pkt., 10c.
5425 *Purpurea* *Grandiflora*. Syn. *Echinacea Purpurea* (Purple Cone Flower). 3 ft. September; large handsome crimson-purple flowers with dark central disc. Pkt., 10c.
5426 *SALVIA* *Argentea*. 3 ft. Silvery-white foliage, pyramids of white flowers. Pkt., 10c.
5427 *Azurea* *Grandiflora*. 4 ft. Sept.-Oct. Stately willow-like growth, spikes of pale blue flowers. Pkt., 10c.
5428 *Patens*. 2 ft. Large rich pure blue flowers. Pkt., 25c.
5430 *SANTOLINA* *Maritima* (Incana). 1 ft. Silvery white fragrant foliage. Pkt., 10c.
5433 *SAPONARIA* *Ocymoides* *Splendens*. 6 in. A showy dwarf trailing plant, producing a sheet of vivid crimson flowers. Pkt., 10c.
5434 *SCABIOSA* *Caucasica* (Pincushion Flower) flowers on long stem; fine for cutting. Pkt., 15c.
5435 *Caucasica* Alba. Flowers white, very beautiful. Pkt., 15c.
5436 *Japonica*. 2 ft. Lavender blue flowers. Pkt., 10c.

SILENE (Catchfly). July to Oct.

USEFUL plants for front row of Herbaceous border, bearing quantities of bright flowers.

- 5439 *Orientalis*. 8 in. Handsome rosy pink flowers. Pkt., 10c.
5440 *Schafti*. 4 in. July-Oct. Bright rose; one of the best Autumn border plants. Pkt., 15c.
5442 *Canadensis*. 3 ft. Gracefully arched sprays of golden yellow flowers. Pkt., 10c.
5443 *STACHYS* *Lanata*. Grown for the effect of its dwarf, white wooly foliage; the flower spikes should be removed. Pkt., 10c.
STATICE (Sea Lavender)

LARGE spreading panicles of light graceful flowers, much prized for winter decoration dried.

- 5444 *Latifolia*. 2 ft. Dense branching plumes of deep blue flowers. Pkt., 10c.
5446 *STOKESIA* *Cyanea* (Stokes' Aster). 18 in. July-Oct. Flowers rich blue, like a giant cornflower, very distinct. Pkt., 10c.
5447 *Cyanea* Alba. The white companion of the preceding. Pkt., 10c.
5448 Mixed Colors. Pkt., 10c.

SWEET WILLIAM. See Dianthus Barbatus THALICTRUM (Meadow Rue)

- 5449 *Adiantifolium*. 9 in. June-July. Finely cut maiden-hair-like foliage, with light plumes of small whitish flowers. Pkt., 10c.
5449a *Aquilefolium* Album. Showy feathery plumes of white flowers, graceful fern-like foliage. Pkt., 10c.

- 5450 *Dipterocarpum* (New). 4-5 ft. A new introduction from China. Very graceful plumes of rosy purple flowers and conspicuous yellow anthers.

TRITOMA (Torch Lily, Flame Flower Red Hot Poker)

VERY handsome and showy border plants. Flowers borne in compact form on stout 3 and 4-foot stems, having the appearance at a distance of orange and red colored spear heads. Require protection during winter, unless in a very sheltered position.

- 5454 *Uvaria* *Grandiflora*. 4 ft. Aug.-Nov. The ordinary red Tritoma. Pkt., 10c.

VALERIANA (Garden Heliotrope)

- 5456 *Rubra*. 2 ft. Sweet scented red flowers. Pkt., 10c.
5457 Alba. Pure white flowers. Pkt., 10c.
5460 *VERONICA* (Speedwell) *Spicata*. 2 ft. July-Aug. Small spikes of rich blue flowers. Pkt., 10c.
5461 *Perennial Varieties* Mixed. Pkt., 10c.
5471 *VIOLET*, Single. Deep blue, common single violet. Pkt., 10c.
5472 *YUCCA* *Filamentosa* (Adam's Needle). 3 ft. June-July. Handsome, creamy white flowers, much branched and densely packed with bloom, with the sword-like foliage. Pkt., 10c.



SCABIOSA CAUCASICA

Vaughan's Perennial Plants

Perennial Plants of European origin, can no longer be imported except for propagating purposes, by ruling of the Federal Horticultural Board's Plant Quarantine Act No. 37, which went into force June 1st, 1919. For the present, therefore, our list of plants must be curtailed until stock of our own propagation is ready to send out.

Plants should be ordered by name and on the separate order sheet provided for them. Give quantities desired in plain figures and write only one kind on each line.

Prices of Plants—Important Changes for 1921

THE increased cost of labor and time involved in collecting, labeling and assembling long and extended lists of plants when ordered one of a kind, compels us to charge more than heretofore for single plants; on the other hand we make the price of twelve and three of a kind so attractive that it should induce our customers to buy at least three of a kind and order less varieties. You get a sufficient number of plants for your known requirements, but fewer varieties, and less chance of total failure, having three to succeed with instead of one.

We respectfully urge our customers to adopt this plan for their own economy and to facilitate expeditious filling of orders.

Prices This Year are as Follows:

Plants priced at	per dozen		3 supplied for	
				Each
\$2.50	{	\$0.65	\$0.30
3.00	85	.35
3.50		1.00	.40
4.00		1.25	.50
4.50		1.35	.55
5.00		1.50	.65

25 plants of a variety at the 100 rate where listed by the hundred.

Plants by Parcel Post If to be sent by parcel post add postage as follows: Single plants, 5c; 3 plants, 10c; 6 plants, 15c; 12 plants, 25c.

We accept no responsibility for delays or conditions that may prove injurious to the contents.

Plants by Express We recommend this mode of transit where quantities are over 18 to 24 plants. We pack carefully, but accept no responsibility for delays over which we have no control that may cause injury to the contents.

ACHILLEA. (Yarrow, Milfoil.) Free flowering plants of easy culture for the mixed border; suitable for cutting.

—**Eupatorium, Parker's Variety.** June-Aug. 3 ft. pale yellow flowers. Doz., \$3.00; 3 for 85c.

—**The Pearl.** 2 ft. June to Aug. Pure white, fine for cutting. Doz., \$3.00; 3 for 85c.

ACONITUM (Monkhead)

ROOTS are poisonous, with bold spikes of hood-shaped flowers, valuable for cutting; very effective in flower borders and shrubberies, thriving anywhere.

—**Spark's Variety.** 5 ft. Aug. Violet blue. Doz., \$3.60; 3 for \$1.00.

—**ALYSSUM—Saxatile Compactum (Basket of Gold).** 1 ft. May-June. Greatly prized for its masses of golden yellow flowers. Per 100, \$15.00; doz., \$3.00; 3 for 85c.

ANTHEMIS Kelwayi. (Hardy Marguerite), 2 ft. A most satisfactory plant, bearing all summer, daisy-like yellow blossoms. Planted as a border or in masses, is excellent for cutting.

Per 100, \$15.00; doz., \$3.00; 3 for 85c.



ACHILLEA, The Pearl

AQUILEGIA (Columbine)

COLUMBINES are among the most beautiful hardy perennials, producing graceful spurred flowers on stems 2 feet or more above the beautiful, dark green divided foliage. Our Long-Spurred Mixed are selected from the very finest kinds, free of habit and of great value.

—**Chrysanth.** 3 ft. Yellow, long spurred. Per 100, \$15.00; doz., \$3.00; 3 for 85c.

—**Chrysanth. Grandiflora Alba.** 3 ft. Large flowering, pure white, long spurred.

Per 100, \$15.00; doz., \$3.00; 3 for 85c. —**Long Spurred Columbines, Mixed.** An improved strain of Columbines, bearing flowers of many rich and varied colors with broad petals and long spurs. Colors are distinct shades of white, salmon, lavender, yellow, mauve, pink, etc. Extra fine. Per 100, \$20.00; doz., \$3.60; 3 for \$1.00.

ARMERIA (Thrift, Sea Pink or Cliff Rose)

GRAND plants for crevices of walls and rocks, and also for growing in flower borders or as permanent edgings; excellent plants for the sea coast. June-July.

—**Lauchena.** 6 in. Crimson flowers, deep green bristly foliage. Per 100, \$15.00; doz., \$3.00; 3 for 85c.

ASTERS

NOW fill a most important place in all hardy flower gardens, lighting up the borders and shrubberies with their masses and clouds of dainty and brightly-colored blossoms throughout the autumn months up to November, when other flowers are scarce. To cut for vases, church decoration, etc., they provide an inexhaustible supply.

—**Novae Angliae.** 3 ft. Sept.-Oct. Deep purplish blue. Per 100, \$15.00; doz., \$3.00; 3 for 85c.

—**Mrs. J. F. Raynor.** (New.) 5 ft. Oct. Vivid crimson flowers, very erect and profuse bloomer. Per doz., \$4.00; 3 for \$1.25.

—**Novae Belgiae, Climax.** 4 to 5 ft. (New.) This in our opinion is the best Michaelmas Daisy introduced in many years. Forms branching plants covered in fall with delightful lavender blue flowers from one to two inches in diameter. Per 100, \$20.00; doz., \$3.60; 3 for \$1.00.

—**Novae Belgiae, Climax.** White. A new variety of remarkable attractiveness. Same growth and flower as Climax except color which is pure white. Doz., \$4.00; 3 for \$1.25.

—**BOLTONIA Asteroides** (Faint Chamomile), 6 ft. White. Large daisy-like flowers, valuable for cutting. Per 100, \$15.00; doz., \$3.00; 3 for 85c.

—**BUDDLEIA Variabilis Veitchiana** (Butterfly Bush), 3 ft. Aug.-Oct. A new and beautiful shrub-like plant, producing pendulous



ANTHEMIS Kelwayii

branches terminating in long spikes of beautiful black-margined flowers. Requires same protection as roses in winter. Planted with Aster 'Climax' (above) the effect of the combination will delight those who try it. Large plants, per 100, \$15.00; doz., \$3.00; 3 for 85c.

CAMPANULA (Bell Flower)

BELL shaped flowers, well known; equally useful for flower border, shrubbery or wild garden.

—**Carpatia** (Harebell). 9 in. July. Pretty blue, dwarf. Per 100, \$15.00; doz., \$3.00; 3 for 85c.

—**Alba.** 9 in. July. Pure white. Per 100, \$15.00; doz., \$3.00; 3 for 85c.

—**Calycanthema White, Pink, Blue.** Whites, pink or blue. Per 100, \$15.00; doz., \$3.00; 3 for 85c.

—**Calycanthema** (Cup and Saucer). 2 ft. June to Aug. Mixed colors. Per 100, \$15.00; doz., \$3.00; 3 for 85c.

—**Medium** (Canterbury Bell). 2 ft. Blue, Pink or White. Separate colors. Per 100, \$15.00; doz., \$3.00; 3 for 85c.

—**Mixed Colors** (Canterbury Bells). Per 100, \$15.00; doz., \$3.00; 3 for 85c.

—**Pyramidalis** (Chimney Bellflower). Blue. 5-6 ft. Per 100, \$15.00; doz., \$3.00; 3 for 85c.

—**Pyramidalis Alba.** Per 100, \$15.00; doz., \$3.00; 3 for 85c.

Vaughan's Special Mixture. A grand assortment of all varieties. Fine for cut flowers. Per 100, \$15.00; doz., \$3.00; 3 for 85c.

CANTERBURY BELL (See Campanula)

Medium

CARNATION (Hardy)

OLD-FASHIONED flowers, valuable for border decoration and cutting.

—**Grenadin.** Double. Fine scarlet. Perfectly hardy. Doz., \$3.00; 3 for 85c.

—**Grenadin Double White.** Splendid cut flowers. Per 100, \$15.00; doz., \$3.00; 3 for 85c.

—**Grenadin Mixed.** Per 100, \$15.00; doz., \$3.00; 3 for 85c.

—**CHELONE Barbatum Torreyi.** 3 ft. July. Aug. Long coral red spikes like a Pentstemon. Per 100, \$15.00; doz., \$3.00; 3 for 85c.

—**CHIVES.** Used for seasoning. Per 100, \$12.00; doz., \$2.00; 3 for 60c.

—**CHRYSAETHIUM Maximum** (Moonpenny Daisy). Per 100, \$15.00; doz., \$3.00; 3 for 85c.

—**King Edward VII.** 2½ ft. Very large white flowers on stout stems. Per 100, \$15.00; doz., \$3.00; 3 for 85c.

Vaughan's Perennial Plants



ASTER 'Climax'

COREOPSIS (Tickseed)

JUNE to October. Hardy plants that bloom J throughout the summer.

—Lanceolata. 2 ft. Large orange-yellow flowers, much prized for cutting.

Per 100, \$15.00; doz., \$3.00; 3 for 85c.

DAISY (Shasta) Alaska. 2 ft. Wonderful show of large white flowers. Fine for cutting.

Per 100, \$15.00; doz., \$3.00; 3 for 85c.

DELPHINIUM (Hardy Larkspur)

THERE are many species in cultivation, but the most important are the tall hybrids of which we hold a large and up-to-date assortment, including the very newest.

—Formosum. 3 ft. Deep blue, white eye, open spike. Flowering from June to August.

Per 100, \$15.00; doz., \$3.00; 3 for 85c.

—Belladonna (Light Blue). 2 ft. Loose spikes of blue.

Per 100, \$20.00; doz., \$3.60; 3 for \$1.00.

—Lamartine. 4 ft. Single dark blue flowers with white center; free branching habit.

Per doz., \$3.60; 3 for \$1.00.

Vaughan's Gold Medal Hybrids. This strain is especially grown for us, the seed being saved from selected plants. All inferior colors and types are discarded. Many of them are double flowered, and range in color from pale lavender to indigo blue.

Per 100, \$18.00; doz., \$3.60; 3 for \$1.00.

DIANTHUS (Hardy Garden Pinks)

CHARMING summer flowering border plants, more or less fragrant; should be planted in full sun or open situation, adding lime or old mortar rubble to the soil at time of planting.

—Abbotsford. 15 in. Attractive shade of double pink.

Per 100, \$15.00; doz., \$3.00; 3 for 85c.

—Deltoides. 9 in. Masses of small deep rose flowers, neat creeping habit. An excellent rock or edging plant.

Per 100, \$15.00; doz., \$3.00; 3 for 85c.

—Lilac Queen. A very charming double pale rose lavender.

Per 100, \$15.00; doz., \$3.00; 3 for 85c.

Vaughan's Special Mixture. A great selection of clove pinks of the above type.

Per 100, \$15.00; doz., \$3.00; 3 for 85c.

DIANTHUS BARBATUS (Sweet William)

18 in. to 24 in.

THE varieties offered are an improvement on the old-fashioned kinds, inasmuch as the colors and size or flower are far superior, being grown from select seed. Sweet Williams look well in solid beds of masses and requires a good, rich well-manured soil to grow them to perfection.

—Diadematus. One of the prettiest, flowers rose, spotted and sprinkled with white.

Per 100, \$15.00; doz., \$3.00; 3 for 85c.

—Johnson's Giants. The range of color includes shades which are not to be found in other strains, and the peculiar and delicate markings on the flowers are most attractive.

Per 100, \$15.00; doz., \$3.00; 3 for 85c.

—Nigrescens. Flowers almost black.

Per 100, \$15.00; doz., \$3.00; 3 for 85c.

—Salmon. A very pleasing shade.

Per 100, \$15.00; doz., \$3.00; 3 for 85c.

—Albus. Single white.

Per 100, \$15.00; doz., \$3.00; 3 for 85c.

Vaughan's Special Mixture, Sweet William. A mixture of all the beautiful varieties here listed and others. This is sure to please in the varied and unique coloring and markings of the flowers. If you plant but one perennial, plant this.

Per 100, \$15.00; doz., \$3.00; 3 for 85c.

DICTAMNUS—Fraxinella Alba. (Gas Plant) 3 ft. Spikes of attractive pure white sweet scented flowers.

Per doz., \$3.60; 3 for \$1.00.

DIGITALIS (Foxglove)

3 to 5 ft.

STATELY old garden favorites for garden, shrubbery borders, and naturalizing in suitable places.

—Gloxiniiflora, White. Flowers shaped and spotted like a gloxinia.

—Pink, Purple.

Any of the above, per 100, \$15.00; doz., \$3.00; 3 for 85c.

—Grandiflora. Bright yellow.

Per 100, \$15.00; doz., \$3.00; 3 for 85c.



CHRYSANTHEMUM MAXIMUM

Vaughan's Special Mixture of Digitalis. A grand mixture of the above, and many other colors, grown especially for this mixture.

Per 100, \$15.00; doz., \$3.00; 3 for 85c.

DIELYTRA Spectabilis (Bleeding Heart). 2 ft. A graceful plant with green fine cut foliage and pendulous sprays of pink heart-shaped flowers, pink tipped white.

Per 100, \$15.00; doz., \$3.00; 3 for 85c.

—Echinops—Ritro. (Globe Thistle). Handsome, strong-growing plants with thistle-like leaves and globe shaped bristly flowers. 3 ft. Fine blue flower heads.

Per 100, \$15.00; doz., \$3.00; 3 for 85c.

ERIGERON—Amos Perry. Valuable summer flowering border plants with elegant aster-like flowers. Large pale blue flowers, 2 in. in diameter; rare and distinct.

Per doz., \$3.60; 3 for \$1.00.

ERYNGIUM—Amethystinum. (Sea Holly). July-Sept. Handsome ornamental plants for flower and shrubbery borders. 3 ft. Fine foliage with bluish green shoots, terminating in numerous amethyst blue thistle-like flowers.

Per doz., \$3.60; 3 for \$1.00.

EUPATORIUM—Coelestinum (Thorough Wort Mill Flower). 2 ft. Sept. Heliotrope flowers, very useful for borders.

Per 100, \$15.00; doz., \$3.00; 3 for 85c.

FERNS

HARDY Ferns are especially suited to partial and dense shade and will flourish where grass will not grow. For naturalizing in woodland they are fine subjects associated with Foxgloves, Funkias and Aquilegias. They make a grand effect in shady spots in any garden. Their culture is easy.

If possible, old leaf mold or well decayed peat, loam and a fair proportion of sand and drainage.

Adiantum Pedatum (Maidenhair Fern). 1 ft. The best dwarf fern.

Asplenium angustifolium (Spleenwort). 3 ft. Handsome stately fern.

Asplenium Felix-Foemina (Lady Fern). 2-3 ft. Fine delicate fronds, very stately, will grow in the sun if soil is kept moist.

Aspidium Cristatum. 2 ft. Grows well in swampy situation.

Aspidium Goldianum. 4 ft. One of the finest Aspidiums.

Aspidium Thelypteris. 2 ft. Very variable, fronds long and narrow.

Oncoclea Struthiopteris (Ostrich Fern). 3-4 ft. One of the most stately and best for cultivation; handsome dark green fronds.

Osmunda Claytoniana. 2 ft. A good fern for the shady corner, 7 to 12 inches wide, broader than long.

Any of the above, per 100, \$15.00; doz., \$3.00; 3 for 85c. (Ready March 15.)

FUNKIA (Day Lily)

THESE handsome, hardy, herbaceous plants develop their ornamental foliage early in spring, and in summer and autumn throw up a profusion of Lily-like flower spikes. All are grand plants for the flower border or permanent edgings, especially on shady borders. They develop their foliage to greater size, if grown in partial shade.

—Lanceolata. 12 in. Sept. Pale light flowers.

Per doz., \$3.60; 3 for \$1.00.

—Thomas Hog. 12 in. Large green foliage margined white.

—Undulata Medio Variegata. 12 in. Silvery white, lined green. A very ornamental foliage plant.

Doz., \$3.60; 3 for \$1.00.

GAILLARDIA (Blanket Flower)

JUNE to October, two feet. Their long-flowering period, long stems and bright colors make these one of the most valuable of perennials, being easily grown in beds or borders in ordinary garden soil.

—Grandiflora Mixed.

Per 100, \$15.00; doz., \$3.00; 3 for 85c.

GYSOPHILA

GRACEFUL border and rock plants with small flowers on light stems. Greatly prized for cutting.

—Paniculata (Baby's Breath). 2 ft. July-Aug. Small flowers on branched stems, so thick as to give the plant a white lace-like effect.

Per 100, \$15.00; doz., \$3.00; 3 for 85c.

—Paniculata Flore Pleno. Minute double white flowers, new, highly decorative.

Doz., \$5.00; 3 for \$1.40.



DIANTHUS (Sweet William)

Vaughan's Perennial Plants

HELIANTHUS (Hardy Sunflower)

PRODUCING a grand effect planted in garden beds or borders, or in the woodlands or wild garden.

—**Multiflorus Plenus.** 4 to 5 ft. Double yellow flowers, useful for cutting. July-Oct. Resemble large yellow Dahlias.

Per 100, \$15.00; doz., \$3.00; 3 for 85c.

—**Rigidus, Miss Melish.** 7 ft. Large single yellow, tall handsome border plant.

Per 100, \$15.00; doz., \$3.00; 3 for 85c.

—**HELIOPSIS Gracilis.** 3 ft. July-Oct. Large orange flowers with several rows of flowers. Invaluable for cutting.

Per 100, \$15.00; doz., \$3.00; 3 for 85c.

HEMEROCALLIS (Yellow Day Lily)

THE Day Lilies are undoubtedly among the finest plants for ordinary garden culture, as they will grow anywhere. The flowers are in spikes of from six to a dozen blooms, opening in succession, and are very useful cut flowers. Good for borders, shrubberies, wild garden or naturalizing.

—**Citrina.** June-July. Pale citron yellow. 2 ft. Doz., \$3.00; 3 for 85c.

—**Flava.** July-Aug. Yellow. 3 ft.

Per 100, \$12.00; doz., \$2.00; 3 for 65c.

—**Thunbergii.** July. Golden yellow. 4 ft.

Doz., \$3.00; 3 for 85c.

—**Kwano, fl. pl.** June-July. Coppery red, double. 3 ft.

Per 100, \$12.00; doz., \$2.00; 3 for 65c.

—**Dr. Regel.** June-July. Apricot, late. 2½ ft. Doz., \$3.00; 3 for 85c.

—**Sovereign.** June-July. Chrome-yellow. 3 ft. Doz., \$3.00; 3 for 85c.

—**HEUCHERA (Alum Root).** 2 ft. July-Aug.

—**Brizoides Gracillima.** Graceful stems of rosy crimson flowers; shaded pink.

Doz., \$3.60; 3 for \$1.00.

—**Nancy Perry.** Beautiful sprays of bright coral pink; very fine.

Per doz., \$3.60; 3 for \$1.00.

HIBISCUS (Rose Mallows)

3 to 5 ft. July to Sept.

NOBLE shrubby plants, with handsome green foliage, bearing throughout summer large bright flowers, from 3 to 5 inches in diameter. Very hardy. Suitable for garden and indoor use when cut.

—**Mixed Mallow Marvells.** Grand assortment. Per 100, \$20.00; doz., \$3.60; 3 for \$1.00.

—**Mallow Marvells.** Enormous bright red flowers. Per doz., \$4.00; 3 for \$1.25.

—**Mallow Marvells.** Pink or white; separate colors.

Per 100, \$20.00; doz., \$3.60; 3 for \$1.00.

HOLLYHOCK 6-8 ft. Aug.-Sept.

ONE of the best hardy garden flowers. Makes a charming hedge or background. Hollyhock rust is the bane of every person who tries to grow hollyhocks. There is no remedy, but much can be done to prevent it and repair the damage by spraying the plants with Bordeaux Mixture.

—**Double Red, Yellow, Maroon, Pink, or White.**

Per 100, \$15.00; doz., \$3.00; 3 for 85c.

—**Allegheny Mixed.** Semi-double and single.

Per 100, \$15.00; doz., \$3.00; 3 for 85c.

—**HYPERICUM Moseerianum (St. John's Wort).** 3 ft. July-Sept. A splendid new shrub-like plant of pendulous spreading habit.

The flowers are golden yellow over 2 inches in diameter, like immense single buttercups, the branches being literally laden down with them. A most desirable plant for sunny situations.

Per 100, \$20.00; doz., \$3.60; 3 for \$1.00.

—**LAVANDULA Vera (True Lavender).** A much prized, highly perfumed border plant.

Per 100, \$15.00; doz., \$3.00; 3 for 85c.

—**LINUM (Flax)**

—**Perenne.** 2 ft. Pearly blue flowers. A graceful hardy perennial.

Per 100, \$15.00; doz., \$3.00; 3 for 85c.

—**Album.** Milk white flowers, very decorative.

Per 100, \$15.00; doz., \$3.00; 3 for 85c.

—**LYCHNIS Chalcidonia (Jerusalem Cross).** 3 ft. June-Aug. Brilliant scarlet in dense flat heads. A grand border plant.

Per 100, \$15.00; doz., \$3.00; 3 for 85c.

—**Arkwrightii.** Brilliant orange scarlet, 18 inch.

Per doz., \$3.60; 3 for \$1.00.

—**MERTENSIA Virginica (Blue Bells, Virginian Cowslip).** 2 ft. Lovely drooping flower spikes of a rare pale blue color.

Per 100, \$15.00; doz., \$3.00; 3 for 85c.



STATICE LATIFOLIA

—**MICHAELMAS DAISY.** See ASTER (Hardy).

—**MINT.** Old fashioned hardy useful plant. 4 in. pot.

Per 100, \$12.00; doz., \$2.50; 3 for 65c.

—**MONARDA (Bergamot, Oswego Tea).** Flowers all summer.

—**Didyma.** 3 ft. Terminal heads of rich scarlet flowers, emitting a very pleasant scent.

Per 100, \$15.00; doz., \$3.00; 3 for 85c.

—**NEPETA Mussini.** An excellent plant for rock garden or border, covered with blue flowers from early Summer to Fall.

Per 100, \$15.00; doz., \$3.00; 3 for 85c.

—**PACHYSANDRA Terminalis.** 4 in. Small, whitish flowers in May, which are insignificant; deep green evergreen foliage, after the Helleborus type, but much smaller; unsurpassable where an evergreen carpet is required. Looks well on graves, around shrubs and under trees, thrives anywhere and invaluable where grass will not grow.

Per 100, \$15.00; doz., \$3.00; 3 for 85c.

—**PAPAVER Nudicaule (Iceland Poppy).** 15 in. Mixed. Elegant free flowering plants bearing flowers in abundance all summer.

Per 100, \$15.00; doz., \$3.00; 3 for 85c.

—**Nudicaule.** Yellow. Orange. White. Any color.

Per 100, \$15.00; doz., \$3.00; 3 for 85c.



FUNKIA (Day Lily)

—**Oriental (Oriental Poppy).** 3 ft. For gorgeous coloring the Oriental Poppies have few rivals among hardy plants. They produce magnificent effect in shrubberies, and herbaceous borders, while for cutting they are invaluable.

—**Royal Scarlet.** 4 ft. Large flowers of dazzling orange scarlet.

Per 100, \$15.00; doz., \$3.00; 3 for 85c.

—**PHLOX.** See page 106.

—**PHYSOSTEGIA (False Dragon Head).** 3 ft. June to Sept.

—**Grandiflora.** Deep pink. 2 ft.

Per 100, \$20.00; doz., \$3.60; 3 for \$1.00.

—**Virginea.** Dense bushes with spikes of delicate pink tubular flowers.

Per 100, \$15.00; doz., \$3.00; 3 for 85c.

—**Alba.** White.

Per 100, \$15.00; doz., \$3.00; 3 for 85c.

—**POPPY.** See Papaver.

—**PRIMULA (Primrose).**

—**Grandiflora.** An extra choice large-flowered mixed strain.

Per 100, \$15.00; doz., \$3.00; 3 for 85c.

—**Rheingold.** Orange and red.

Per 100, \$15.00; doz., \$3.00; 3 for 85c.

PYRETHRUM

ONE of the most valuable of our early summer flowers. Charming color, and wonderful lasting properties as a cut flower; flowers in May and June, and frequently in August and September; of colors almost every shade, which make them foremost in this particular season.

—**Roseum.** Single Mixed.

Per 100, \$15.00; doz., \$3.00; 3 for 85c.

—**RANUNCULUS.**

—**Acris Flora Plena.** Double yellow upright grower, 12 inches. Doz., \$3.60; 3 for \$1.00.

—**ROSAMARINUS Officialis (Rosemary).** An old garden favorite; fine as single specimens, makes a nice fragrant hedge.

Per doz., \$3.00; 3 for 85c.

RUDBECKIA (Cone Flower)

SOMEWHAT resembling the Sunflower, but differing in the central disc of the single flowers protruding in the form of a cone. A highly ornamental Autumn-flowering plant, much valued for cutting.

—**Laciniata fl. pl. (Golden Glow).** 6 ft. July-Sept. Rich yellow, double flowers, much prized for cutting.

Per 100, \$15.00; doz., \$3.00; 3 for 85c.

—**SALVIA Pitcheri (Meadow Sage).** 3 ft. Aug.-Oct. One of the finest blue garden plants for brilliancy, far in advance of any of Anchusa Italica. It flowers in the fall right up to the first frost, the flowers coming in regular sheaves of cornflower blue.

Per 100, \$15.00; doz., \$3.00; 3 for 85c.

—**Officialis (Common Sage).**

Per 100, \$12.00; doz., \$2.50; 3 for 65c.



SEDUM SPECTABILE



SELMA

MISS LASSBERG

EUROPA

ANTONIN MERCE

VAUGHAN'S HARDY PHLOX

Phlox
Decussata

THIS is one of the most useful flowers for summer decorations, the colors varying from pure white to deep crimson. They are not at all particular as to soil, and are exceedingly hardy. To obtain good results it is wise to manure the soil well and give them a fairly open situation, and an occasional soaking of water during very dry weather. Once planted, they require no further attention for several years, but it is advisable to renew them about every fifth year.

The flowering period is from the early part of July to the middle of September and they grow to heights varying from 1 to 3 and even 4 feet. If the first flower spikes are cut off as soon as over, and the plants are given a good soaking, a second crop of bloom extending until late in the fall may be expected.

Our collection contains the finest of the new introductions. The colors are very beautiful and striking, and the individual flowers are in many cases twice and thrice the size of older varieties. Antonin Mercie. A beautiful grayish lilac with white center. A favorite among the light varieties.

Per doz., \$2.50; 3 for 65c.

Crespucula. Large cherry-red center, edged pale violet pink. The individual forets and spike are immense.

Per doz., \$3.00; 3 for 85c.

Elizabeth Campbell. Bright salmon pink with lighter shadings and dark crimson eye. There is no better pink phlox and few as large.

Per doz., \$4.00; 3 for \$1.25.

Europa. White, distinct carmine eye, large flower. A general favorite.

Per doz., \$4.00; 3 for \$1.25.

Mme. Paul Dutrie. Soft Cattleya-pink shading off to white in the center. One of the most desirable where a good pink is desired.

Doz., \$3.00; 3 for 85c.

Maculata Alpha. (Suffruticosa.) Early variety with dark pinkish mauve flowers, stems usually spotted and slender.

Per doz., \$2.50; 3 for 65c.

Miss Lassberg. The purest snow-white in cultivation. Extra fine. Large open truss, ideal as a cut flower.

Per doz., \$3.60; 3 for \$1.00.

Miss Lingard. (Suffruticosa.) Pure white; the earliest of all. Blooms all summer; good for cut flowers.

Per doz., \$3.60; 3 for \$1.00.

Mrs. Jenkins. A very free flowering early variety of medium height producing immense panicles of pure white flowers.

Per doz., \$3.00; 3 for 85c.

Rhynstrom. Beautiful rosy-pink color not unlike that of Paul Neyron rose. A good strong grower and very free flowering.

Per doz., \$3.60; 3 for \$1.00.

R. P. Struthers. Rosy carmine with claret eye.

Doz., \$3.00; 3 for 85c.

Selma. Large pink trusses with red eye. Very vigorous grower, producing large trusses.

Per doz., \$3.60; 3 for \$1.00.

MIXED. 1 year field-grown plants of a choice mixture of colors. Named varieties. Our selection.

Per 100, \$15.00; doz., \$2.50; 3 for 65c.

Special Offer: No. 106A. One each of above 12 Phlox distinctly labeled for \$3.75, postpaid.

Special Offer: No. 106B. One each of 6 Phlox, our selection, labeled, for \$1.50, postpaid.

Dwarf and Alpine Phlox

THESE are remarkable for their dense prostrate habit and mass of bloom in spring and early summer. They are splendid subjects for the fronts of borders and graves. They are quite distinct from the Phloxes offered on this page.

—Pilosa Splendens. A new spring-flowering Phlox that produces great masses of lilac-rose flowers; 1 foot. May.

Per doz., \$2.50; 3 for 65c.

—Subulata Alba. A compact mass of elegant prostrate foliage, dainty white flowers in May and June, height 4 in.

Per doz., \$3.00; 3 for 85c.

—Subulata Rosea. Same as above but with dainty pink flowers. This and Alba are fine for graves.

Per doz., \$3.00; 3 for 85c.

SEDUM (Stonecrop)

CHARMING plants, great diversity of character, flowers, much prized for edgings, carpet bedding and on rockeries.

—Acre. 3 in. May-June. Common yellow stonecrop.

Per 100, \$15.00; doz., \$3.00; 3 for 85c.

—Brilliant. 12 to 15 in. Bright scarlet.

Per 100, \$15.00; doz., \$3.00; 3 for 85c.

—Latifolium. Deep rosy crimson shade.

Per 100, \$15.00; doz., \$3.00; 3 for 85c.

—Rubrum. 2 ft. Dark carmine rose flowers.

Per 100, \$15.00; doz., \$3.00; 3 for 85c.

SPIRAEA (Goat's Beard or Meadow Sweet).

—Filipedula fl. pl. (Double Dropwort). 2 ft. Dwarf cushions of fern-like foliage, with corymbs of double white flowers, useful for cutting.

Per doz., \$3.60; 3 for \$1.00.

STATIC (Sea Lavender)

LARGE spreading panicles of light graceful flowers, much prized for winter decoration dried.

—Latifolia. 2 ft. Dense branching plumes of deep blue flowers.

Per 100, \$15.00; doz., \$3.00; 3 for 85c.

SWEET WILLIAM—See Dianthus Barbatous.

TARRAGON, True. Used for cooking purposes. Large clumps. (This variety does not produce seed.)

Per 100, \$15.00; doz., \$3.00; 3 for 85c.

THALICTRUM (Meadow Rue).

—Adiantifolium. 15 in. June-July. Finely cut maiden-hair-like foliage, with light plumes of small whitish flowers.

Per 100, \$15.00; doz., \$3.00; 3 for 85c.

—Dipterocarpum. 4.5 ft. A new introduction from China. Very graceful plumes of rosy purple flowers and conspicuous yellow anthers. One of the most graceful and decorative plants in our whole list.

Per 100, \$20.00; doz., \$3.60; 3 for \$1.00.

TRILLIUM Grandiflorum (Wake Robin). 12 in. May-June. Large snowy-white flowers; one of the best of our native plants.

Per 100, \$12.00; doz., \$2.50; 3 for 65c.

TRITOMA (Torch Lily, Flame Flower,

Red Hot Poker)

VERY handsome and showy border plants. Flowers borne in compact form on stout 3 and 4-foot stems, having the appearance at a distance of orange and red-colored spear heads. Require protection during winter, unless in a very sheltered position.

—Pfitzeri (Everblooming Flame Flower). 3 ft. Aug.-Nov. Bright orange scarlet.

Per 100, \$20.00; doz., \$3.00; 3 for 85c.

VERONICA (Speedwell). Amethystina. 1 ft. May-July. Delightful flowers of a deep amethyst blue color.

Per 100, \$15.00; doz., \$3.00; 3 for 85c.

—Longifolia Subsessilis. 2 ft. Aug. One of the finest Autumn blue flowers, handsome heads of rich violet blue.

Per doz., \$3.00; 3 for 85c.

—Spicata. 2 ft. July-Aug. Small spikes of rich blue flowers.

Per 100, \$15.00; doz., \$3.00; 3 for 85c; pkt., 10c.

—Alba. Pure white form of the preceding.

Per doz., \$3.00; 3 for 85c.

VINCA (Periwinkle, Green Myrtle)

4 in. June.

VALUABLE for rockeries or makes a grand evergreen carpet under and about shrubs and trees.

—Minor (Grave Myrtle). Green foliage, large blue flowers.

Per 100, \$15.00; doz., \$2.50; 3 for 65c.

YUCCA Filamentosa (Adam's Needle). 5 ft. June-July. Handsome, creamy white flowers, much branched and densely packed with bloom, while the sword-like foliage is very ornamental.

2 yr. doz., \$3.00; 3 for 85c; 3 yr. doz., \$4.00; 3 for \$1.10.

VAUGHAN'S HARDY IRISES

Flag Iris or Fleur de Lis

THESE Irises are all sun lovers and delight in a well drained situation. They are all deliciously fragrant, large and handsome, more or less beautifully mottled in the "Standards" and veined in the "Falls," while the beards range from delicate primrose to orange. Their beauty at first sight rivals that of the Orchid, but, on closer examination, we have no hesitation in saying their yield point of interest not to be found in the whole of the Orchid family. Those who have not used these Irises for surrounding lakes and ponds, or cultivated them in flower borders, shrubberies, woodland walks, and in wild gardens, should do so. If planted around ponds or lakes they should be placed well above the water level.

The best months for transplanting Irises are April, September and October, but they can also be moved in June and July, soon after they have flowered. Please order early for Spring planting; late orders will be filled after blooming time.

"S" refers to the three standard, or upright curling petals; "F" to falls or drooping petals. Amas (Macrantha). "S" Rich blue; "F" Violet; very large and handsome. Doz., \$3.00; 3 for 85c. Alcazar. "S" Violet with bronze sheen; "F" rich crimson with lighter veins. A very rich and striking flower. 3 for \$2.75; each, \$1.00.

Archbishop. (Archevêque). Deep velvety-violet; "S" Deep purple violet; an exquisite Iris; very scarce. 3 for \$2.40; each, 85c.

Black Prince (Kochi Atro-purpurea). "S" Purple lilac; "F" velvety black. A very striking dark flower. Doz., \$3.00; 3 for 85c.

Candelabre. "S" Mauve and purple; "F" Violet, with white and black veins. Per 100, \$12.00; doz., \$2.50; 3 for 65c.

Caprice. "S" Reddish purple; "F" Deeper, self-colored. One of the best red Irises.

Per 100, \$15.00; doz., \$3.00; 3 for 85c.

Caterina. "S" clear blue; "F" soft lilac, a new hybrid, between Trojana and Pallida Flowers of large size, on stout branching stems. 3 for \$2.40; each, 85c.

Celeste. Fine satiny blue. One of the most beautiful of hardy Irises.

Per 100, \$12.00; doz., \$2.50; each, 65c.

Cherubim. "S" Pale lilac; "F" Pale lilac, veined purple. Per 100, \$15.00; doz., \$3.00; 3 for 85c.

Chryse. "S" clear blue; "F" Doz., \$3.00; 3 for 85c.

Dalmarius. A cross between Dalmatica and Darius "S" pale gray-blue; "F" darker, shaded violet-brown; very distinct. Doz., \$3.00; 3 for 85c.

Darius. "S" Primrose yellow; "F" Lilac and primrose. Per 100, \$10.00; doz., \$2.00; 3 for 55c.

Dorothea. An early dwarf flower of exceptional merit. "S" Mauve, deeper in center; "F" Soft blue with orange veining. Very fine. Per 100, \$10.00; doz., \$2.00; 3 for 55c.

Dr. Bernice. "S" Coppery bronze; "F" Velvety crimson. Very handsome. Per 100, \$10.00; doz., \$2.00; 3 for 55c.

Eldorado. "S" Bronze shaded yellow; "F" Violet purple touched at sides with bronze yellow. One of the most distinct and richest colored of all. Doz., \$3.00; 3 for 85c.

Fairy. Beautiful white with blue border and veining. Doz., \$3.60; 3 for \$1.00.

Florentina Alba. Large pure white fragrant flowers. Per 100, \$15.00; doz., \$3.00; 3 for 85c.

Forin. "S" and "F" pale canary yellow, merging to cream at base. Doz., \$2.50; 3 for 65c.

Gajus. "S" Light clear yellow; "F" Crimson, reticulated white and yellow.

Per 100, \$10.00; doz., \$2.00; 3 for 55c.

Gertrude. Deep violet blue; very fragrant. Per 100, \$10.00; doz., \$2.00; 3 for 55c.

Isoline. "S" Lilac pink; "F" Purplish old rose, with golden throat and yellow beard. Very handsome and extremely scarce. Per 100, \$25.00; doz., \$3.60; 3 for \$1.00.

Jeanne d'Arc. Flowers large, petals broad, of a fresh clear lilac. "F" Pure white, bordered lilac. 3 ft. Per 100, \$20.00; doz., \$3.00; 3 for 85c.

Kharput (Italia). "S" Violet; "F" Violet purple, large handsome bloom. Per 100, \$10.00; doz., \$2.00; 3 for 55c.

King of Iris. "S" Lemon yellow; "F" Deep brown and yellow. One of the most beautiful of all Irises. Doz., \$5.00; 3 for \$1.50; each, 65c.

L'Avenir. A beautiful shade of satin blue. Per 100, \$15.00; doz., \$2.40; 3 for 65c.

Lohengrin. Large handsome silvery-mauve flowers. Per 100, \$15.00; doz., \$2.40; 3 for 65c.

Lord Seymour. Very much like Mme. Chereau, but "S" are a more delicate pale lavender.

Per 100, \$15.00; doz., \$2.40; 3 for 65c.

Louise. "S" Light blue and heliotrope; "F" reddish purple and bronze. Flower

of a most distinctive and striking color. Doz., \$6.00; 3 for \$1.40; each, 60c.

Mme. Chereau. One of the most beautiful of its class. The flowers are pure white, with a broad and irregular border of clear blue, and are borne on strong upright stems that are often from two to three feet tall. Doz., \$3.00; 3 for 85c.

Mme. Paquette. Bright rosy elaret, early and beautiful. Sweet scented.

Doz., \$3.00; 3 for 85c.

Maori King. "S" Golden yellow; "F" Velvety maroon margined gold.

Doz., \$3.00; 3 for 85c.

Monsieur. Tall, large blossoms borne in profusion. "S" Bluish lavender; "F"

Rich. "S" Clear waxy white; "F" White, white veins. Per 100, \$8.00; doz., \$2.00; 3 for 55c.

Nelly. "S" Blue; "F" clear white with blue veining and blotches.

Doz., \$2.40; 3 for 65c.

Oriflamme. "S" light blue, "F" violet purple; extra fine large flower.

Doz., \$6.00; 3 for \$1.60; each, 60c.

Pallida Dalmatica. One of the most beautiful of all these Irises. Perfectly

labeled, strong growth and very free-flowering. Exquisite shade of lavender-blue.

Per 100, \$20.00; doz., \$3.00; 3 for 85c.

Pallida Mandralisca. Rich lavender-purple, large and handsome.

Per 100, \$10.00; doz., \$2.40; 3 for 65c.

Princess Victoria Louise. (New). "S" Immense sulphur yellow; "F" Plum

color, shaded primrose. A very uncommon and pleasing shade.

Doz., \$2.40; 3 for 65c.

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color, shaded primrose. A very uncommon and pleasing shade.

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MME. DE VERNEVILLE



M. JULES ELIE



FESTIVA MAXIMA




EDULIS SUPERBA

Vaughan's Peonies

PEONIES, especially the modern introductions, are probably the most valuable, and most beloved of all perennial plants. Planted in sun or semi-shade, in single clumps or long beds, or bordering lawns, shrub rows, and carriage drives, they give a grand display of large fragrant blossoms of brilliant colors during June, followed by their exquisite foliage which is very ornamental during summer months. They are also most effective for home and table decorations, and last longer in water than many other perennials. Avoid buying cheap Peonies; they require just as much care as the better kinds, and are disappointing in the end. We grow only varieties that we have thoroughly tested at our trial grounds, and here offer the grandest Peonies in commerce.

Planting—Peonies may be planted in the fall or spring, but fall planting has many advantages. Orders should be sent in at once so that we can forward when weather permits. Avoid planting too deeply, as this is often the cause of the shy blooming; 2 or 3 inches of soil over the crown (eyes) being sufficient. After planting give a heavy mulching of rotten stable manure, and do not transplant the clumps for at least 5 years, and then only if very necessary.

 We only offer these in divided roots with from 3 to 5 eyes, and since Fall planting of peonies is preferable to Spring planting, we only offer a limited number of varieties.

Duchess De Nemours. (Calot.) Flowers of this splendid Peony are cup-shaped, crown type, sulphur white, with greenish reflex, fragrant. It is an early and free bloomer coming into flower a few days after Festiva Maxima. 75c.

Duke of Wellington. A very large, vigorous, tall growing variety with flowers of enormous size, with high built centers, 2 rows of large broad guard petals of pure snow-white, while the center of the flower is sulphur-yellow. Flowers are borne on strong upright stalks, are fragrant and freely produced; late mid-season. 85c.

Edulis Superba. This is one of our earliest varieties, usually coming into bloom on Decoration Day. Color is a bright clear mauve-pink, with silvery reflex. Flowers are of large size and very fragrant. 75c.

Faust. Color of this beautiful variety is hydrangea-pink changing to lilac-white. Crown type flower, mid-season. 75c.

Felix Crousse. This is probably one of the best red peonies, being of a rich even shade of dark red. Flowers are large, globular and freely produced; rose type flower, late mid-season. 85c.

Louis Van Houtte. Color bright violaceous-red, semi-rose type flowers; very free; late mid-season. 75c.

Festiva Maxima. This is probably the most popular and beautiful white peony. Flowers are of immense size, often 7-8 inches in diameter. The edges of center petals are dotted with carmine spots. It is a free and willing bloomer and quite early. 75c.

La Tulipe. Flowers very large, globular and fragrant, bluish-white shading to ivory white with red streaks on the outside of the guard petals; rose type; mid-season. 75c.

Mad. Barrillet Deschamps. Flowers are large, flat, imbricated, with very wide petals. Color clear violet-rose, fading to silvery-pink; fragrant; early mid-season. 85c.

Mad. De Verneville. This is probably the freest blooming of the white peonies. The flowers are of bomb type, pure white suffused with blush. The plants are very vigorous, very free and early blooming. The flowers are sweet. 75c.

M. Dupont. Very large cup-shaped flowers, ivory-white, the center petals are splashed with spots of carmine. The flowers are produced on strong tall stalks; mid-season. \$1.00.

M. Jules Elie. This is by many considered the most beautiful of all peonies. The flowers are of immense size, globular in form. The color is a glistening lilac-pink, shading to deeper rose at the base. The whole flower is overlaid with a sheen of silver. One of the best out flowers, being a splendid keeper. \$1.25.

Double Un-Named Peonies. White, pink or red. Each, 35c.

CLIMBING VINES—Half Hardy or Annual

CARDINAL CLIMBER. A graceful annual climber. The flowers are 1½ inches in diameter of a fiery cardinal red, flowering from mid-summer until frost. The foliage is deeply lacinated and heavier and coarser than those of the Cypress Vine, to which it is related. Planted in good, rich soil when all danger of frost is over it makes a rapid growth, attaining a height of 30 feet. Strong plants, each 25c; doz., \$2.00.

COBAEA Scandens. (Cathedral Bells.) Purplish lilac flowers, bell-shaped, prolific bloomers. Rapid grower. 2½-in. pots. Each, 25c; doz., \$1.50; 100, \$10.00. From 4-in. pots, each, 45c; doz., \$4.20.

IVY, English. Beautiful evergreen vine. For hanging baskets, window-boxes and vases. 2½-in. pots, each, 25c; doz., \$2.00; 100, \$20.00. 4-in. pots, each, 40c; doz., \$3.50; 100, \$25.00. 9-in. tubs, each, \$4.00.

MADEIRA VINE. A popular climber. Strong tubers. Each, 10c; doz., \$1.00; 100, \$6.00.

MOONFLOWER. (Ipomoea Learii). Blue. A beautiful satiny blue. 2½-in. pots, each, 25c; doz., \$1.50; 100, \$10.00. 3-in. pots, each, 35c; doz., \$2.50.

White. Large flowers. 2½ in. pots, each, 25c; doz., \$1.50; 100, \$10.00. 4-in. pots, each, 35c; doz., \$2.50; 100, \$18.00.

VINCA Major Variegata. For basket and vase. 2½-in. pots, each, 20c; doz., \$1.25; 100, \$10.00.

From 3-in. pots, each, 25c; doz., \$2.00; 100, \$15.00.

From 4-in. pots, each, 40c; doz., \$3.50; 100, \$22.50.

Bedding Plants and Window Boxes

THESE plants, from our own greenhouses, are carefully grown and thoroughly hardened off before being sent out. We pack carefully, and prefer to send by express, as they travel and arrive in better condition.

If wanted by Parcel Post, add for postage:
5c per plant; 10c for three; 20c per dozen.

Unless marked otherwise the first size offered below of each, has been grown in a 2 inch or 2½ inch pot.

Note.—These plants are ready May 1st, and should not be planted out of doors earlier than that in the latitude of Chicago or New York.

ALYSIUM, Vaughan's Little Gem. The best pure white. Each dwarf Alyssum. Height of plant 5 inches.	Doz.	100
AMARYLLIS, Giant Hybrids. Large flowers, magnificent coloring; see also Bulb plants.	1.00	10.00
ANTHRINUM (Snapdragon), Vaughan's Select Tail Strain. For gorgeous coloring, few flowers can match Snapdragons. The flowers of this new strain are of very large size and are produced on immense long spikes, which render them extremely well adapted for cut flowers. Pink, red, white, yellow or mixed. 2 inch pots.	.20	.85 6.00

ASTERS, Vaughan's Giant Branching. Beautiful Asters for cut flowers. Quite different in several respects from any other Aster known. The branching habit is accompanied by great vigor of growth and profusion of bloom. The flowers are very large, very double, borne on long stiff stems and the colors clear and handsome. Lavender, red, rose, pink, shell-pink, purple, white, mixed. Transplanted. From 3½ inch pots.	.20	.85 6.00
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BEGONIA, Gloire de Chataleine. Silvery pink, compact habit, strong, vigorous grower.	.25	1.50 10.00
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GLORIA. Deep rose, free bloomer, compact grower, carrying flowers carried above the foliage.	.20	1.50 10.00
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CALADIUM Ecuculentum. (Elephant's Ear). Started plants, 5 inch pots.	.50	5.00
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Started plants, 6 inch pots.	.75	8.00
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Fancy Leaved. (See House Plants).		
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CASTOR OIL BEAN PLANT. (Ricinus) Green or Red. For tropical foliage beds.	.25	1.25 8.00
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From 4 inch pots.	.35	2.50
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CENTAUREA Gymnocarpa. (Dusty Miller). The gray fern-like leaves make effective contrast border between green lawn and brilliant plants in beds. Grows 10 inches high.	.20	.85 6.00
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DRACAENA Indivisa. Long green leaves; 3 inch pots.	.50	5.00
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From 4 inch pots.	.50	5.00
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Larger plants, 75c and \$1.00.		
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GERANIUMS. Green leaved.		
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Geraniums are the best known and most extensively used of all bedding plants. Our list is limited to a few most serviceable varieties.

Beaute Poitevine. A favorite semi-double pink.

Lucifer. Double. Glowing scarlet; very large flower heads.

La Favorite. The best double white.

S. A. Nutt. Best dark crimson-scarlet hedder.

Prices of above.	.20	1.25 8.00
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From 3 inch pots.	.30	2.00 15.00
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From 4 inch pots.	.40	3.00 22.50
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PANSY-GERANIUM. (Pelargonium).		
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Easter Greeting. Large, bright amaranth red.	.30	3.00
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From 4 inch pots.	.40	3.00
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HELIOTROPE, Centefleur. Dark purple.	.50	5.00
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From 4 inch pots.	.35	2.50 15.00
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Mammoth Mixed.	.20	1.00 7.00
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From 4 inch pots.	.30	2.00 15.00
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LOBELIA, Bedding Queen. Bright blue.	.20	.85 6.00
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MARGUERITE, Mrs. F. Sander. New white.	.25	1.50 10.00
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From 4 inch pots.	.35	3.00
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PANSY, Vaughan's Giant-Flowered. Includes the richest reds, coppers and bronze, together with the most delicate rose pink shadings.	.75	5.00
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BOSTON FERN

Prices given on application for filling Window Boxes, Hanging Baskets, etc., with Ferns, Palms, Shrubs and Flowering Plants.



PANSY—Continued.	Each	Doz.	100
Vaughan's International Mixture. Composed of well rounded, perfect shaped flowers, showing a wide range of colorings and markings; have thick velvety petals with fluted or semi-double edges. Flowers stand erect on good stiff stems with a good healthy growth of plant.	.25	1.25	8.00
PENISTETUM Longistylum. Graceful white plumes. 12 to 18 inches. For borders of Canna beds.	.50	5.00	
PETUNIA. For variety of color and effectiveness these have no equals. If a little care is bestowed upon them Petunias will produce sweet scented flowers in their delicate and gorgeous colors throughout the whole summer.			
Balcony Queen. Purple with white markings.	.20	.85	6.00
Rosy Morn. Rose with white markings.	.20	.85	6.00
Snowball. Pure white single.	.20	.85	6.00
Single Mixed.	.20	.85	6.00
SALPIGLOSSIS. One of the most attractive annuals and should be in every garden. The flowers are tube-shaped, much like Petunia, but rivaling the latter in the beautiful colors displayed.	.20	1.25	8.00
From Vaughan's Special Seed.			
SALVIA Splendens (Scarlet Sage). A standard bedding plant that keeps the garden bright with color until late autumn. It is best used as a hedge or border plant for brilliant color effect.			
Fireball. Brilliant red. Plant, 18 inches high.	.20	1.00	7.00
From 4 inch pots.	.35	2.50	18.00
Colorful Fire. Brilliant scarlet.	.20	1.00	7.00
From 4 inch pots.	.35	2.50	18.00
VERBENA. One of the most popular garden annuals. For beds, borders, mounds, vases and window boxes it is particularly fine. The clusters of showy flowers are borne in constant succession from June until frost.			
Hybrid. Mammoth pink, purple, scarlet, white or mixed.	.20	.85	6.00
Bright and Brilliant. Bright blue.	.20	.85	6.00
Lemon Scented. Delightful fragrance.	.25	2.00	
Mayflower. Beautiful pink fragrance.	.20	.85	6.00
VINCA ROSEA. (Periwinkle).	.20	1.00	7.00
Rose of Sharon.	.20	1.00	7.00
ZINNIAS. These attractive and decorative hardy annuals are most desirable plants for mixed borders or hedging purposes and remarkable for the profusion and duration of their flowers, which are extremely useful for bouquets.			
Vaughan's Colossal. White, Pink, Purple, Scarlet or Mixed.	.20	.85	6.00

House and Conservatory Plants

ASPARAGUS Plumosus and Sprengeri. Each, 20c, 30c and 40c.		
CALADIUM. Fancy-Leaved. Potted bulbs, ready in May. Wonderful coloring. From 3 inch pots, each, 50c; larger, 75c and \$1.00.		
CROTON. Richly colored foliage plants. 3 inch pot, each, 50c; larger, each, 75c; Specimens, \$1.50, \$2.50 and up.		
Defenbachia Magnifica (Shining leaves). Green foliage, variegated with white. Each, 75c to \$1.25.		
DRACAENA. Green and Variegated-leaved. We have a splendid collection, well colored. From 4 inch pots, \$1.25; larger plants, each, from \$2.00 to \$4.00.		
Terminalis. Rich crimson foliage marked with pink and white. Each, 75c to \$1.25.		

FERNS		
Holly Fern. A good house plant. Each, 50c.		
Nephrolepis Bostoniensis (Boston Fern). One of the most valuable decorative plants we have. Forms large graceful plants that enable it to retain a leading place among this class of ferns. Of easy culture and thrives to best advantage if located near the sunniest window and occasionally turned. A dutiful attention to watering and general condition will he well repaid. We have a large assortment of sizes and can supply plants at 25c and 35c each, postpaid; 60c, \$1.00, \$2.00, \$3.00, \$5.00 and \$6.00 each, by express, not prepaid.		
Nephrolepis Macauli (New). A symmetrical and rapid grower with heavy foliage of deep green color. Each, 40c, postpaid; larger plants, \$1.50; by express, each, \$2.50.		
Ostrich Plume. Feathered fronds, very graceful. Each, 30c, 40c, 75c, \$1.00.		
Small Ferns for Dishes. Assorted varieties. Each, 20c, 30c, 40c, \$1.50.		
FIGUS Elastic. (Rubber Plant). From 4 inch pots, 75c; larger, \$1.00 to \$2.50.		
Regens. A trailing variety with small leaves. 3 inch pots, Each, 30c, doz., \$2.00.		
HYDRANGEAS. Pink, deep rosy pink and white flowers in large clusters. Fine for porch and lawn decoration. Each, 50c to \$1.00; Specimens in tubs, \$4.00 and \$6.00.		
PANDANUS Vitchii. Green and white. Very showy plant. 4 inch pots, each, \$1.00; larger sizes, \$1.50, \$2.00 and \$3.00.		
SCILLA Maritima. (Sea Onion). We supply pot grown bulbs, the latter standing well above earth in the pot. Each, 25c and 50c.		



YELLOW KING HUMBERT

Vaughan's Choice Collection

A most distinct and interesting collection of Cannas, both rare and effective. Be careful in ordering and planting Cannas to note height of growth, so that, when in groups, tall ones are at back, smaller at front, or that kinds of about one height are planted together.

American Beauty. Deep shade of carmine-red, particularly pleasing and unique. Size of both trusses and flowers enormous, with the advantage that it fits nicely in the truss.
Each, \$1.25; doz., \$12.00.

Aigle. 4 ft. Green foliage, with bronze margin. The flowers are large and round, of a clear bright crimson-scarlet, no other markings; erect spikes.
Each, \$35; doz., \$3.00; 100, \$18.00.

From 4 inch pots, each, 45c; doz., \$3.75.

Altitude. 5½ ft. Bronze foliage, over which stand the magnificent bright scarlet flower spikes. The individual blooms are immense and of great substance.
Each, \$35; doz., \$3.00; 100, \$18.00.

From 4 inch pots, each, 45c; doz., \$3.75.

Brightness. Bright intense orange-scarlet. Flowers immense in size and vividly brilliant. One of the finest cannas existing.

Goldbird. (Oiseau d'Or). 4½ ft. Flowers of good shape and large size; vigorous growth. The color is a bright yellow, making it a good companion to Firebird.
Each, \$35; doz., \$3.00; 100, \$18.00.

From 4 inch pots, each, 45c; doz., \$3.75.

Jane Addams. 4½ ft. Green foliage. Buttercup-yellow with blotches of red in the throat; a clean vigorous grower and very free bloomer.
Each, \$35; doz., \$3.00.

From 4 inch pots, each, 45c; doz., \$3.75.

Mrs. Alfred Conard. 4 ft. Green foliage. Flowers salmon pink of large size on finely shaped flower heads.
Each, \$35; doz., \$3.00; 100, \$18.00.

From 4 inch pots, each, 45c; doz., \$3.75.

Mrs. Woodrow Wilson. 4 ft. Green foliage. Charming shade of soft clear crimson-pink. Flowers are large with round, graceful overlapping petals of great substance. Strong grower. Each, \$35; doz., \$3.00.

From 4 inch pots, each, 45c; doz., \$3.75.

Oriental. 4 ft. Foliage light green. This is a grand variety and when massed is very effective. Flowers are golden yellow, tinged with nasturtium-red, forming immense spikes.
Each, \$35; doz., \$3.00.

From 4 inch pots, each, 45c; doz., \$3.75.

Pelely. 18 to 24 inches. Green foliage. This is the dwarfest canna we know of. Color vermilion red, edges of petals a golden yellow. Free continuous bloomer. Each, \$35; doz., \$3.00.

From 4 inch pots, each, 45c; doz., \$3.75.

Stella. 4 ft. Green foliage. Its beautiful golden orange flowers appear early and continue without interruption until frost. A robust grower forming sturdy shapely plants.
Each, \$35; doz., \$3.00.

From 4 inch pots, each, 45c; doz., \$3.75.

The President. 4 ft. In color a rich glowing scarlet and the immense rounded flowers, seven inches across when fully open are produced on strong erect stalks well above the large green foliage. Free bloomer and strong grower.
Each, \$35; doz., \$3.00.

From 4 inch pots, each, 45c; doz., \$3.75.

SPECIAL OFFERS

No. 110. One each of the above (12) Cannas, postpaid, from 2½ inch for \$6.00.

No. 110A. One each of the above (12) Cannas from 4 inch pots for \$7.00, (exp.)

VAUGHAN'S

Yellow King Humbert added two years ago was the sensation among Canna planters. It is the largest yellow spotted Canna since we introduced Florence Vaughan. Our importations of Canna novelties began before the Chicago World's Fair, and at that fair and since, at Omaha, Buffalo, St. Louis, San Diego and San Francisco, we were awarded grand medals for our exhibits of these plants.

Enormous brilliant clusters of bloom borne on spikes above broad leaves of green or bronze, in tropical effect, characterize the Canna beds of today. No public park, or garden, private estate or school grounds can do without canna beds. Our annual effective displays of them at our Greenhouse grounds near Chicago are the surprise and admiration of all visitors.

Vaughan's Cannas SUPERLATIVE COLLECTION

This short collection comprises the best obtainable leading new Cannas of real merit in both size of flower and clearness of color.

YELLOW KING HUMBERT 4 feet.

An orchid-flowering sort of the well-known variety King Humbert. Has the same habit of growth as its parent; foliage a very dark green, with flowers measuring 5 to 7 inches across; individual petals 3 to 3½ inches in diameter. Color of flower a deep rich yellow, softly spotted and blotched with bright red.

Some plants will occasionally give a scarlet or scarlet streaked flower, which we consider an improvement, rather than a defect. Each, \$35; doz., \$2.00; 100, \$12.00.

From 4 inch pots, each, 35c; doz., \$2.75; 100, \$18.00; by express.

From 5 inch pots, each, 50c; doz., \$5.00.

KING HUMBERT SCARLET FLOWERS, BRONZE LEAVES GREATEST FAVORITE TODAY

This remarkable "Gold Medal" Canna has been the sensation of the past eight years. It is a cross between the orchid-flowering and the French or Crozy type, combining the best features of both, the large flowers of one with the free blooming character of the other, and the handsome broad, tropical foliage. 4 ft.

Each, \$25; doz., \$2.00; 100, \$12.00.

From 4 inch pots, each, 35c; doz., \$2.75; 100, \$18.00; by express.

From 5 inch pots, each, 50c; doz., \$5.00.

HUNGARIA 3½ feet. The Best Pink Canna. Very compact, almost dwarf and of a very luxuriant growth. Leaves bluish green, never burn. Trusses of enormous size borne well above the foliage. Flowers very large, with immense petals. Color purest La France-pink, with satin sheen. Each, \$35; doz., \$2.75; 100, \$18.00.

From 4 inch pots, each, 45c; doz., \$3.75.

Eureka. 4 ft. Remarkably free flowering variety, and with its striking white flowers, which first appear cream, makes a very effective show in conjunction with a good scarlet such as Firebird or King Humbert. A robust grower forming sturdy, shapely plants quickly. Each, \$35; doz., \$3.00.

From 4 inch pots, each, 45c; doz., \$3.75.

Firebird. The best scarlet green-leaved variety. The flowers are borne in immense trusses, on strong stalks well above the leaves. They are of splendid form, round and shapely. The petals measure and sometimes exceed 2½ inches across; a clear glowing scarlet without any streaks, spots or blotches.

We have grown and tested many varieties during the years we have devoted to their culture and have never seen one that can approach it. See illustration on opposite page. Each, \$35; doz., \$2.75; 100, \$18.00.

From 4 inch pots, each, 45c; doz., \$3.75; 100, \$22.50; by express.

Gustave Comper. 3½ to 4 ft. Flowers of great size and substance, in color, a fine golden yellow, the lower petals being slightly enlashed with red. Stiff erect stems and large flower spikes. Each, \$35; doz., \$2.75; 100, \$18.00.

From 4 inch pots, each, 40c; doz., \$3.25; 100, \$20.00; by express.

Matador. 4½ ft. Green foliage. Flowers are of the largest size the petals being very broad and beautifully rounded. The color in rich scarlet marbled with very striking. Each, \$35; doz., \$2.75.

From 4 inch pots, each, 45c; doz., \$3.75.

Orange Bedder. 4 ft. Green foliage. Bright orange with just enough scarlet suffusion to intensify the dazzling mass of color. A very free bloomer.

Each, \$35; doz., \$2.75; 100, \$18.00.

From 4 inch pots, each, 40c; doz., \$3.25; 100, \$20.00; by express.

All Canna plants from 2½ inch pots offered on this page at "Each" (or single plant) go prepaid. Larger lots and sizes by express at buyers' expense. To estimate postage on 2½ inch pot plants to different zones, figure on one dozen plants, weighing 3 pounds, packed.

SPECIAL OFFERS

No. 110B. One each of above (8) Cannas from 2½ inch pots for \$2.25, postpaid.

No. 110C. One each of above (8) Cannas from 4 inch pots for \$3.00, by express.

No. 110D. One each Yellow King Humbert, King Humbert and Hungaria for 75c, postpaid.

Prepayment as noted here means through Fourth Postal Zone.

For prepayment to further zones, add 15 cents per doz. 2½ inch plants.

SUITABLE PLANTS FOR BORDERS OF CANNA BEDS

Use those marked (a) with green-leaved Cannas; (b) with red-leaved.

(a) *Salvia*, *Fireball* and *Globe of Fire*. Plant 15 inches apart. (b) *Caladium*

Esulentum. Plant 18 inches apart. (c) *Centaurea Gymnocarpa*. Plant 8 inches

apart. (d) and (b) *Penstemon Longistylus*. Plant 8 inches apart.

CANNAS

CANNA BEDS

PLANTING SUGGESTIONS

Before laying out a Canna bed, spade the ground two feet deep, mixing thoroughly into the soil enough well rotted stable manure to fill six inches in depth of the whole bed. When ready place a stake in center of the bed and with a radius of eighteen inches mark a line for planting the first row. Set the plants in this row eighteen inches apart. Lengthen the radius eighteen inches for each successive row; plants other than Cannas require different distances. All numbers below represent round beds.

Planting plans will be furnished with each Canna bed ordered.

Culture.—Cannas should be planted about the end of May in good garden soil that has been thoroughly enriched with well rotted stable manure. Water sparingly for first two weeks after planting. When growing freely, water liberally. Set the plants about 18 inches apart each way, and if more than one kind is used, be careful to plant the taller growing kinds in the center and the dwarf ones along the edges. This applies to planting in beds or borders.

TWO SIZES OFFERED. Prices given first below are for regular **FIRST SIZE** plants from 2½ inch pots. The next size larger plants are noted as **FROM 4 INCH POTS**. When not so offered, 2½ inch plants are sent.

The large size from 4 inch will be ready May 15, and will bloom soon.

CANNA BED No. 1—10 ft. across, 37 plants.

7 Matador. (For center and first row.)		
12 Dwarf Harum. (Second row.)		
18 Gustave Gompier. (3rd or outside row.)	Prepaid	By express
No. 1A. Price, 37 plants, first size, from 2½ inch pots.....	\$ 8.00	\$ 7.50
No. 1B. Price, 37 large plants, from 4 inch pots.....	11.00	10.00

CANNA BED No. 2—13 feet across, 61 plants.

19 Florence Vaughan. (For center and next two rows.)		
24 Dwarf Harum. (Third row.)		
24 Niagara. (Fourth or outside row.)		
No. 2A. Price, 61 plants, first size, from 2½ inch pots.....	\$10.50	\$10.00
No. 2B. Price, 61 large plants, from 4 inch pots.....	13.00	11.50

CANNA BED No. 3—7 feet across, 19 plants.

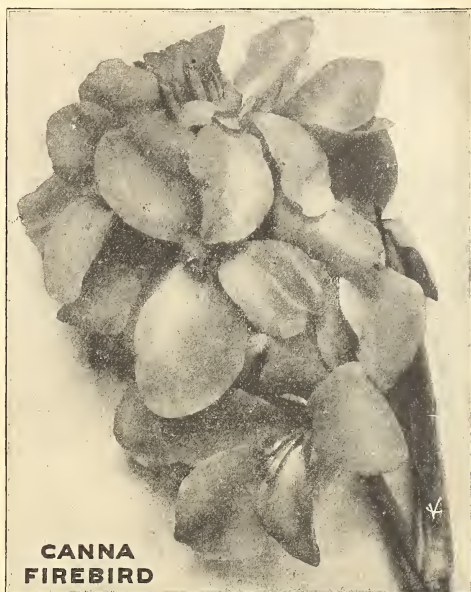
1 Yellow King Humbert. (For center.)		
6 King Humbert. (First row.)		
12 Firebird. (Second or outside row.)		
No. 3A. Price, 19 plants, first size, from 2½ inch pots.....	\$4.75	\$4.25
No. 3B. Price, 19 large plants from 4 inch pots.....	6.75	5.75

CANNA BED No. 4. 10 ft. across, 37 plants.

19 Yellow King Humbert. (For center, first and second rows.)		
18 King Humbert. (Third or outside row.)		
No. 4A. Price, 37 plants, first size, from 2½ inch pots.....	\$ 9.00	\$ 8.00
No. 4B. Price, 37 large plants from 4 inch pots.....	12.00	11.00

CANNA BED No. 5. 7 ft. across, 19 plants.

1 Florence Vaughan. (For center.)		
6 Dwarf Harum. (Second row.)		
12 Souv. de A. Crozy. (Third or outside row.)		
No. 5A. Price, 19 plants, first size, from 2½ inch pots.....	\$3.50	\$3.00
No. 5B. Price, 19 large plants from 4 inch pots.....	5.25	4.50



CANNA FIREBIRD

CANNA BEDS

IN SOLID COLOR, (not Prepaid).	7 ft. Bed 19 Plants	10 ft. Bed 37 Plants	13 ft. Bed 61 Plants
Firebird. First size.....	\$4.00	\$6.75	\$11.00
Firebird. Large size.....	5.25	7.50	15.75
Yellow King Humbert. First size.....	3.50	5.60	9.25
Yellow King Humbert. Large size.....	5.75	7.50	12.25
King Humbert. First size.....	2.75	5.50	7.50
King Humbert. Large size.....	4.00	6.75	11.00
Hungaria. First size.....	4.00	6.75	11.00
Hungaria. Large size.....	5.25	7.50	15.75
Gustave Gompier. First size.....	3.50	5.60	9.25
Gustave Gompier. Large size.....	5.75	7.50	12.25

All Canna plants from two and one-half inch pots offered on this page at "E" for single plant price or prepaid. Larger lots and sizes by express at buyer's expense—except where quoted at special "prepaid" price in opposite column. To estimate postage on two and one-half inch pot plants to different zones, figure on one dozen plants weighing 3 pounds, packed.

STANDARD CANNAS OF LONG-ESTABLISHED MERIT

For prices of Cannas in this section see lower right-hand column

Bronze-Leaved Varieties

David Harum. 3½ ft. Dark bronze foliage. Strong grower and one of the finest blooming Cannas we have ever seen.

Leonard Vaughan. 4½ ft. Rich deep bronze foliage. Very strong grower.

Flowers freely. Color bright scarlet.
Each, 35c; doz., \$2.75. From 4-inch Pots, each, 45c; doz., \$3.75.

Pink and White Shades-Green Foliage

Maros. 3½ to 4 ft. One of the best white-flowering Cannas. Its flowers of creamy white are produced very freely.

Millie Berat. 5 ft. Green foliage. A shade of rose carmine. The petals are long.

Venus. 3½ ft. A lovely rosy pink with a pretty mottled border of creamy-yellow. (For other good pink see **Hungaria** and **Mrs. A. Conard**, on opposite page.)

Crimson and Scarlet Shades, Green Foliage

Alphonse Bouvier. 5 ft. Green foliage. Flowers crimson.

Beaute Potvine. 3½ ft. Largest and best crimson.

Chas. Henderson. 4 ft. Crimson flowers. Good bedder. Roots winter well.

Julius Koch. 3 ft. Foliage dark green. Flowers composed of four broad, well rounded, large petals of the most brilliant blood-red.

Each, 30c; doz., \$2.50. From 4-inch pots, each, 40c; doz., \$3.25.

Meteor. 4 ft. Immense brilliant crimson heads of large round-petaled flowers. Each, 30c; doz., \$2.50; 100, \$15.00.

From 4-inch pots, each, 40c; doz., \$3.25; 100, \$20.00.

Milwaukee. 3½ to 4 ft. A splendid sort with rich deep maroon flowers of great substance. We find it the darkest of all Cannas.

New Chicago. 4½ ft. Color most brilliant and striking scarlet, without any bluish cast. Strong vigorous grower.

Each, 30c; doz., \$2.50; 100, \$15.00.
From 4-inch pots, each, 40c; doz., \$3.25; 100, \$20.00.

Prince Wied. 3 ft. Foliage dark green. Flowers of extra size, borne in massive clusters and of a fiery velvety blood-red. One of the best dwarf-red Cannas.

Each, 30c; doz., \$2.50; 100, \$15.00.

From 4-inch pots, each, 40c; doz., \$3.25; 100, \$20.00.

The Express. 2½ ft. Bright scarlet crimson. Large broad flowers in immense trusses. This is the best dwarf red Canna.

Yellow and Yellow-Edged Varieties

Florence Vaughan. 5 ft. The most famous yellow Canna. Introduced by us in 1892, it still remains indispensable in its class.

Dwarf Florence Vaughan. 3½ ft. Identical with **Florence Vaughan**, but one-third shorter, never exceeding 3½ ft. Color, golden yellow, thickly dotted red.

Niagara. Height, 3 ft. Green foliage. Great handsome trusses; broad, thick, durable petals. Color rich deep crimson with a wide irregular border of deep golden yellow.

Queen Charlotte. 4 ft. Rich orange-scarlet with a broad gilt edge.

Souv. de A. Crozy. 4 ft. The flowers are scarlet-crimson bordered yellow.

Orchid-Flowering Varieties

King Humbert.—(See opposite page.)

Louisiana. 6 ft. Very large beautiful vivid scarlet orchid-like flowers, often measuring 5 to 6 in. across. Foliage a flowy green.

Winters Colossal. 5 ft. Green foliage. A striking vivid scarlet that retains its brilliancy. One of the largest flowering of all, producing immense trusses.

Yellow King Humbert.—(See opposite page.)

PRICES OF STANDARD CANNAS—THIS SECTION.

(Except where noted)	Each	3 for	Doz.	100
First Size, 2½ in. pot plants, prepaid.....	\$0.25	\$0.65	\$2.00	\$12.00
First Size, 2½ in. pot plants, by express.....	.35	.85	2.75	18.00
Large Size, 4 in. pot plants, by express.....				
Our First or Mail Order Size are best for distant points; the larger plants by Exp., quick bloomers, are best for buyers within 250 miles of New York or Chicago.				

VAUGHAN'S ROSES



ROSE PREMIER

Choice Hardy Hybrid Tea Roses

Cynthia Fords. Color a deep, brilliant rose shading on the back of the petals to a light rose-pink. The flowers are large full of perfect form and great substance, very free-flowering and fragrant. A strong grower with heavy foliage.

Grass an Teplitz. In color it is of the richest scarlet shading to a velvety crimson, very fragrant, a free strong grower and in bloom all the time. This rose should be in every garden as it succeeds under the most ordinary conditions. Price, from 2½-inch pots, each, 25¢; doz., \$2.50. From 4-inch pots, each, 50¢; doz., \$5.00.

Kaiserin. This splendid rose should be in every collection. In color it is a soft pearl-white tinted with just enough lemon in the center to relieve the white, remarkably fragrant, beautifully formed flowers on long graceful stems, a strong, free, healthy grower. One of the best for out-door planting.

Killarney. In color it is a sparkling brilliant pink, the blooms are large, the buds long and pointed the petals very large and of great substance. Is one of the most popular of our garden roses.

Killarney Brilliant. A decided improvement on the popular Killarney. Color is sparkling cerise pink shading lighter at the base of the petals. Large fragrant well formed buds and flowers which are absolutely perfect in all stages of development. A strong, vigorous grower and free bloomer.

Killarney White. A pure white sport of the famous and popular Killarney rose identical in every way with its parent excepting in color.

Mrs. Aaron Ward. Few roses attract so much attention as this beautiful variety. The flowers which are of splendid form, full double are equally attractive when in full bloom as in the bud stage; in color a distinct Indian yellow, shading lighter towards the edges; under certain weather conditions the flower will sometimes come a yellow tinted white, but it is beautiful under all color variations; a strong, vigorous, but compact grower and free bloomer.

Ophelia. A delicate tint of salmon-flesh shaded with rose. A rose that is admired by everyone, its flowers are held erect on long stiff stems well above the foliage and in great profusion all summer. A variety which has made a record for itself that it is to be classed with the best.

Prince E. C. de Arberg. Color, scarlet with deeper shadings, not inclined to turn blue, holding its color as the flower lasts. The bud is heavy and pointed, developing into a beautiful full flower of great size and finish. The growth is heavy and free with thick leathery foliage which is free from mildew or black-spot and is one which anyone can grow.

Richmond. Scarlet crimson pointed buds, flowers very fragrant carried on long stiff stems well above the foliage. A strong grower with handsome dark foliage. One of the most successful and prolific roses for the garden.

Sunburst. A magnificent rose. The color is orange copper or golden orange with a deep orange center. Buds, long and pointed, borne singly on long stout stems opening full and double. Strong grower and adapted for forcing and out-door growing.

W. R. Smith. Although not new, this is a most desirable ever-blooming summer rose and as a hedger is without a peer. The flowers are creamy white, shaded pink, and are produced with the greatest freedom. It makes a beautiful cut flower. This is one of the roses that should be in all gardens, large and small. Price from 2½-inch pots, each, 25¢; doz., \$2.50. From 4-inch pots, each, 50¢; doz., \$5.00.

Price, except where noted, from 2½-inch pots, each, 30¢; doz., \$3.00. From 4-inch pots, each, 60¢; doz., \$6.00.

SPECIAL OFFER No. 112. One each of the above 12 Roses From 2½-inch pots, postpaid, \$3.00.

SPECIAL OFFER No. 112A. One each of the above 12 Roses From 4-inch pots, by express, for \$6.00.

WE again take pleasure in submitting our revised list of roses, some splendid new American Novelties of approved merit having been added, and some of the older ones discarded. We grow roses for stock purposes only, not for a cut-flower trade. Our bushes are selected not exhausted by bearing a quantity of flowers and consequently produce stronger wood, which is therefore the propagation on your stock. These are grown under the personal supervision of an expert, are wintered in a temperature as low as is essential for their successful culture, and are strong bushy plants, with clean, healthy, well ripened wood.

All orders are handled and packed by experienced hands, and we guarantee safe arrival by express. With special fast train service in every direction from Chicago, our mail and express packages of all greenhouse plants are much more satisfactorily handled than from cities less centrally located.

Ask for our pamphlet, "How to be Successful With Roses."

Prices on Roses—Each from 2½-inch pots includes prepayment.

Larger lots and size go by express at buyers' expense.

Novelties and New Roses

GOLDEN OPHELIA. (Hybrid Tea). A distinct novelty. This is a seedling from the well known variety Ophelia. It is a sturdy stiff stemmed grower with beautiful foliage, quite closely set and glossy. The flower is of medium size forming a beautiful bud of bright golden yellow; a profuse bloomer. We are very enthusiastic over this beautiful true yellow novelty which will rank high in its class. Price, from 2½-inch pots, each, \$1.00; doz., \$10.00.

COLUMBIA. A true pink, deepening as it opens to a glowing pink. A peculiarity of the variety is that the shades all become more intense until fully open. Strong grower, sending up numerous stiff stems of good length with fine foliage free from mildew. Price, from 2½-inch pots, each, 30¢; doz., \$3.00. From 4-inch pots, each, 60¢; doz., \$6.00.

FRANK W. DUNLAP. Bright rose-pink, deeper in the center. Flowers full and double, averaging 40 to 45 petals to the bloom; open to a very vigorous grower, breaking freely at the base. Free from spots and mildew. Price, from 2½-inch pots, each, 50¢; doz., \$5.00. From 4-inch pots, each, \$1.00; doz., \$9.00.

MME. BUTTERFLY. A glorified sport of Ophelia with all the colors of Ophelia intensified, making it a harmony of bright pink, apricot and gold. A free grower and bloomer with large handsome foliage free from mildew. Price, from 2½-inch pots, each, 50¢; doz., \$5.00. From 4-inch pots, each, \$1.00; doz., \$9.00.

PREMIER. A clear pure shade of rose-pink; deep rose-pink in cooler weather. Its freedom of bloom and quick succession of crops makes this a most productive variety. Strong grower with breaks coming quickly, producing strong, stiff thornless stems with heavy foliage. Price, from 2½-inch pots, each, 40¢; doz., \$4.00. From 4-inch pots, each, 75¢; doz., \$7.50.

LOS ANGELES. Color a flame-pink tones with coral and shaded with translucent gold at the base of the petals. Strong grower with stems as long as an American Beauty. The flowers are as large as Paul Neyron, forming long and pointed buds; its freedom and continuance of bloom are remarkable. Price, 2-year dormant up till May 1st, each, \$1.50; doz., \$15.00. 2-year potted plants ready May 1st, each, \$2.00; doz., \$20.00.

SPECIAL OFFER No. 112B. One each of the above 6 Roses, by express, for \$4.00.

SPECIAL OFFER No. 112C. One each: Columbia, Frank W. Dunlap, Mme. Butterfly and Premier. From 2½-inch pots, postpaid, for \$1.50.

Dwarf Polyantha Roses

These are entirely distinct from the larger flowered sorts, as flowers are borne in clusters of from 10 to 25 individual flowers. If planted in masses of 25 or more together, will make a very effective border.

BABY DOLL. An entirely new color. A golden yellow tipped with clear bright cerise. Dwarf grower. A splendid bedder.

CECILE BRUNNER. The delicate buds are of perfect form, shading a deep salmon pink and showing a rich orange center, turning to a pale flesh color when fully open.

CLOTHILDE SOUPERT. Pearly white, shading to pure rose-pink. Being the introducers we take pride in having select stock that will bloom continually during the summer.

ECHO. A soft pink when opening, changing to light pink when fully open, individual flowers measuring 2 inches across.

VAUGHAN'S WHITE BABY RAMBLER. Pure snow white flower about one inch in diameter. The foliage is dark and glossy and finely cut.

Price, 2½-inch pots, each, 50¢; doz., \$5.00. From 4-inch pots, each, \$1.00; doz., \$10.00.

From 4-inch pots, each, 50¢; doz., \$5.00.

SPECIAL OFFER No. 112D. One each of above 5 roses, From 2½-inch pots, postpaid, for \$1.00.

SPECIAL OFFER No. 112E. One each of above 5 roses, From 4-inch pots, by express, for \$2.25.



Vaughan's "Bargain" Collection of Roses

Ready after MAY 20th, 1921.

No. 112F... 10 plants... 2½-inch pots... 10 varieties for \$1.50, postpaid.

No. 112G... 10 plants... 4-inch pots... 10 varieties for \$3.50, by express.

Hardy Hybrid Perpetual Roses



VAUGHAN'S UNRIVALED COLLECTION OF HARDY ROSES

Among garden lovers no hardy plants are so generally popular as the Hybrid Perpetuals, often called June Roses. Once established they are strong and hardy growers, bearing large globular flowers. While severe weather does not kill them, some protection in the way of a moderate covering of rotted straw, light manure, or leaves is very advantageous, and necessary around Chicago. Masses of these roses may be grouped in separate corners in garden beds or borders with very striking effect, and for decorative cut bloom, though they do not possess all the delicate tints found in the Hybrid Tea Roses, still a table or room may be effectively decorated in one or two colors because of their grand size and form.

The roses offered here are budded low on Mannetti or Dog rose stocks and are generally known as budded roses. Plant so that the bud is three inches below the surface of the ground. Early Spring planting is essential.

ROSES demand reasonably free watering, and frequent spraying with Hellebore and Bordeaux Mixture for insects and fungus will be found beneficial. They thrive best with application of manure water, and at least two applications of bone meal (two pounds per square yard) prior to blooming time.

ANNA DE DIESBACH (Glory of Paris). Most lovely brilliant carmine, long, pointed buds, and large, finely formed, compact flowers; very full and double and delightfully sweet. A vigorous grower and fine bloomer. One of the hardest of the well-known, desirable roses.

FRAU KARL DRUSCHKI (White American Beauty). This pure white variety has long immense buds and perfectly double flowers. For bedding and for cutting it is the finest in its class.

GEM, JACQUEMINOT. Bright shining crimson, shapely buds and handsome blooms. The Jack Rose is noted for its good qualities.

GEORGE ARENDS (Pink Frau Karl Druschki). A beautiful clear pink variety; different in color from any other rose; a free-bloomer and one of the best.

GRUSS AU TEPLITZ. In color it is the richest scarlet, shading to a velvety crimson; very fragrant; a free, strong grower and in bloom all the time. This rose should be in every garden, as it succeeds under the most ordinary conditions.

MAGNA CHARTA. Deep pink, large sweet-scented and of fine form; one of the hardest roses in cultivation and commonly planted.

MRS. JOHN LAING. One of the finest roses of its class. It is very free-flowering, commencing to bloom early in the season and continues to bloom profusely until late autumn. Color a soft delicate pink with a satiny sheen; very fragrant.

MABEL MORRISON. A pure snowy white, sometimes faintly tinged with pink. Extra large size; full regular form; broad shell-like petals. An attractive rose.

PAUL NEYRON. This magnificent rose is by far the largest variety in cultivation; very double and full; of a beautiful deep rose color and delightfully fragrant; borne on vigorous upright stems in great abundance.

ULRICH BRUNNER. A rose of beautiful form and finish, very striking from its color of brilliant cherry-crimson. The bush is vigorous, blooming continuously in the open air and displaying its superb, glowing flowers on good strong stems.

Price, 2-year dormant up to May 1st, each, 75c; doz., \$8.00, postpaid. 2-year potted plants, ready May 1st, each, \$1.00; doz., \$10.00, by express.

SPECIAL OFFER No. 113A. One each of the above 10 roses in 2-year dormant plants for \$6.50, postpaid.

SPECIAL OFFER No. 113B. One each of the above 10 roses, 2-year potted plants, ready May 1st, for \$8.00, by express.

CLIMBING ROSES

THE demand for climbing roses has always been constant, and the eagerness of the public for "something new" has stimulated the enthusiasm of the hybridists, with the result that year after year improved forms are being presented for awards before various committees of the keenest judges, but it would be impossible for us to list all that have gained recognition. The rose-covered cottage still carries the charms of romance and sentiment, that it has done for hundreds of years. For twenty years our greenhouses, have specialized on all these beautiful climbers, and here we offer "all the best."

Note.—The abbreviations used in some of the following descriptions denote:

(C. P.)—Climbing Polyanthus-flowered; flowers double or semi-double.

(Cl. H. P.)—Climbing Hybrid Perpetual.

Where dormant roses are offered they can be supplied up to May 1st. After that date we can only supply potted plants as offered.

CLIMBING AMERICAN BEAUTY (Cl. H. P.) A free climber of excellent habit. Strong and vigorous in growth, making heavy canes from 10 to 15 feet in a single season. Rosy-crimson flowers, produced freely in June and occasionally throughout the season. Very fragrant. Price, 2-year dormant, each, \$1.00; doz., \$10.00. 2-year potted plants, each, \$1.25; doz., \$12.00.

Climbing Clothilde Soupert (Cl. Tea.) It is a vigorous grower, forming canes 15 feet in one season, and covered with large clusters of flowers all summer. Flowers are large, double and a beautiful shell pink, forming the buds in clusters. Price, 2½-inch, each, 30c; doz., \$3.00. 4-inch pots, each, 60c; doz., \$6.00.

Climbing Mme. Cecile Brunner (Cl. Tea). The blooms are semi-double, bright rose in the center, shading off to pale pink at the edge, and have a delightful fragrance. We can thoroughly recommend this rose. Price, 2½ inch, each, 30c; doz., \$3.00. 4-inch pots, each, 60c; doz., \$6.00.

CRIMSON RAMBLER (C. P.) This grand old climber hardly needs description. The magnificent trusses of bright crimson flowers are freely produced, and admired by everyone. It is still one of the easiest of roses to succeed with. Unsurpassed for walls, hedges, pillars, arches, pergolas; very hardy and a strong grower. Price, 2-year dormant, each, \$1.00; doz., \$10.00. 2-year potted plants, each, \$1.25; doz., \$12.00.

DOROTHY PERKINS (C. P.) The most popular climbing rose of today, and as hardy as the Crimson Rambler. The flowers are borne in clusters and are very double; the petals are very prettily rolled back and crinkled. The color is a most beautiful shell pink and holds a long time without fading.

EXCELSA (C. P.) A distinct variety in form, color and habit. A vigorous grower. The foliage is dark glossy green. Flowers very double, produced in large trusses, thirty to forty on a stem. The color is intense crimson maroon; points of the petals tipped with scarlet.

Marchal Niel (Cl. Tea). A most beautiful deep golden yellow, very large and double; deliciously scented, but unfortunately not quite hardy (excepting in the south and on the Pacific Coast). For the walls of a viney or pillars Price, 2½-inch, 30c; doz., \$3.00. 4-inch pots, each, 60c; doz., \$6.00.

PINK RAMBLER (Count Zeppelin) (C. P.) The color of this new hardy climbing rose is of a most brilliant pink, with fiery reflex. The plants are very strong, perfectly hardy and very free blooming, and, to a certain extent, overblooming; that is, they will produce flowers after the main crop is gone. Price, 2-year potted plants, each, \$1.25; doz., \$12.00.

TAUSENSCHON (C. P.) This beautiful variety surpasses all other climbing roses of this section, both in growth, foliage and beauty of bloom. The flowers appear in large clusters from the beginning of June till the end of July. Each individual flower measures about 2 inches across and is of a beautiful soft shell pink, same color as Clothilde Soupert, later on changes to rose carmine. Price, 2-year dormant, each, \$1.00; doz., \$10.00. 2-year potted plants, each, \$1.25; doz., \$12.00.

WHITE DOROTHY (C. P.) This beautiful rose is the counterpart of the well known Dorothy Perkins, except in the color which is pure white. Already a universal favorite. Price, except where noted, 2-year dormant plants, each, 75c; doz., \$8.00. 2-year potted plants, each, \$1.00; doz., \$10.00.

SPECIAL OFFER No. 113. One each, Crimson Rambler, Dorothy Perkins, Excelsa and White Dorothy Perkins in 2-year dormant up to May 1st, by express for \$3.00.

CHRYSANTHEMUMS

We wish our patrons to note that in our list of Chrysanthemums we do not pretend to have the largest collection of varieties; but we offer those varieties that have proven the best from all sources. Larger quantities by express at buyer's expense.

JAPANESE ANEMONE NOT HARDY

The anemone flowers consist of one or more rows of flat or tubular ray flowers, with shorter quilled or tubular disk florets of the same or a distinct color.

Clemencia. Deep pink, shading deeper in the center, and crowded with petals. At first glance it resembles an artificial flower, as petals are very crisp and showy.

Chestnut. Bright orange shading to yellow, tinted with pink as they develop. Center compact.

Coed. White, shading to pale lilac when fully open.

Center high and full. Each, 35c; doz., \$3.00.

Innocencia. Outer petals of pure white; central petals flushed pale pink; edges of the tubular petals in center light yellow; exquisite.

Juno. Deep lilac, shading to white; the center head is loose and graceful and of a deeper shade than the outer petals; magnificent in its coloring.

Maple Leaf. Flowers light yellow overlaid with old rose. Ray florets sulphur yellow, lightly penciled with old rose. Center pale lemon yellow, full and high.

Each, 50c; doz., \$5.00.

Peppita. Pale pink with orange-yellow center; the flower is heavy and of great substance.

Redbird. Blood-red, with center tipped yellow. Center low and full. All florets slightly cupped when fully developed.

Each, 35c; doz., \$3.00.

Titian Beauty. Color deep, rich bronze, shading in center to scarlet; the most striking of the collection; outer petals reflex, showing the center to advantage.

The Chief. Sulphur-yellow shading to light lemon yellow; center full and rounded and slightly darker than the ray florets; 3 to 4 inches in diameter. Matures first week in November.

Price, except where noted, each, 30c; doz., \$2.50.

SPECIAL OFFER No. 114. The set of 10 Anemones for \$3.25, postpaid.

LARGE-FLOWERED OUTDOOR VARIETIES

A Chrysanthemum that would flower successfully in the open garden has been wanted a long time, and in the following we offer a set that will furnish an abundance of flowers from August until heavy frost. They grow from 2 to 4 ft. high, thriving in any good garden soil.

A. Barham. A beautiful orange bronze; the first variety of this color to come into flower. Shows up wonderfully well under light when used as a decoration.

Carpet of Snow. Double pure white, star-shaped flowers produced in great abundance. Very early and hardy.

Carrie. Flowering the end of August. Yellow and in cluster form.

Cranfordia. In this variety we have an early-flowering

Mum that covers every possible point; perfect in flower and stem; foliage up to the flower, and every plant will carry twelve to twenty beautifully finished blooms.

Framfield. Early. Start to flower in August. Large white cluster, very free.

Firefly. A reddish bronze; flowers very early and continues until late frosts arrive.

Golden Queen. A large incurved golden yellow variety. Strong, heavy grower.

G. Grunnewald. A very fine variety of the Japanese section, being one of the earliest of all, expanding the first flowers early in August and extending its flowering period well into November.

Each, 30c; doz., \$2.50.

Le Pactole. Bronzy yellow, large flower; heavy foliage and strong grower. Disbud slightly.

Madame Marques. Blush white changing to pure white when fully open. A splendid variety; fully developed by October 1st.

Miss F. Collier. Large white flowers borne on very stiff stems, height about 30 inches.

Normandie. Creamy white; magnificent variety. The earliest and perhaps the best.

Pink Harbinger. A fine rose-pink variety; large flowering, coming in bloom early and extending its flowering period late into the fall. Each, 30c; doz., \$2.50.

Hardy Pink. This is one of the hardiest varieties we know of. Flowers are a deep rose-pink of medium size; very free flowering.

Price, except where noted, each 20c, postpaid; doz., \$2.00; per 100, \$10.00 (by exp.)

SPECIAL OFFER No. 114C. Set of above 14 plants for \$2.50, postpaid.

In the spring I purchased a 25c package of your Dublin Flowering Zinnias. I wish you could see them in bloom. They are a show. Some are like small tea plates in size. People have come for miles to see them. I have trays a row of Zinnias in my plot, but they have never bloomed like this season. Truly yours,

MRS. GEO. A. SCHMIDT, Watchung, N. J.

FOR POT CULTURE NOT HARDY

Following varieties are most adapted for plants of all decorative sizes and are used extensively as conservatory and house plants.

Laelia. Light yink color, uniform when fully developed; makes a good pot plant. Each, 30c; doz., \$2.50.

Aug. Dase. Golden yellow.

Chieftain. Very pleasing shade of pink. Incurved.

Harvard. Bright crimson.

Mrs. F. B. Brown.

Marion Newell. Fleeting shade of pink.

May Foster. Snow white.

Mrs. Wm. Buckingham (Single). A large flat flower of a lovely shade of rosy pink; keeps well, both on and off the plant.

Old Gold. Deep yellow; large size.

Each, 25c; doz., \$2.25; 100, \$12.00.

Patty. A beautiful shell pink Japanese variety, dwarf habit. This is a very fine, both in color and habit; does not fade. Each, 35c; doz., \$3.00.

Wm. H. Lincoln. Pure yellow.

Each, 25c; doz., \$2.25; 100, \$12.00.

Price, except where noted, each 20c postpaid; doz. \$2.00; per 100, \$10.00.

SPECIAL OFFER No. 110A. Set of 12 for \$2.25, postpaid.



LARGE-FLOWERING OUTDOOR TYPE



MARION NEWELL

SMALL-FLOWERED OUTDOOR VARIETIES

The following varieties are a cross between French sorts and the Hardy English varieties and have gained popularity in this country in recent years, because with slight protection they will withstand our severe winters. Care should be taken to plant these in early spring, so that they may establish themselves sufficiently to withstand the rigors of our winters. Do not plant in the fall.

Bijou Rose. Beautiful rose, free flowering, dwarf growing.

Bronze Queen. Bronze red underlaid with yellow, changing to orange with yellow showing through. Petals flat, but slightly twisted when matured. Each, 30c; doz., \$3.00.

Charlotte. Deep bronze.

Elva. Early white, very free.

Fairy Queen. Very handsome bright pink, large.

Kate Manning. Reddish bronze, very early.

Miss Seelye. White, one of the best early.

Needle. Deep yellow; early.

Zoda. Rose pink; early.

Zora. An early bright yellow.

Each, except where noted, 20c; doz., \$2.00; per 100, \$10.00 (by exp.)

SPECIAL OFFER No. 114B. The set of 10 Pompons for \$1.50, postpaid.

CAPRICE TYPE NOT HARDY

Originated in France. A new early flowering strain and ideal for pot culture. Can be planted out in the open ground in May if desired and potted the first part of September, making beautiful specimens.

Butler's Caprice. Flowers deep pink, compact grower.

Katherine Thompson. Crimson, strong grower.

Mrs. Greening. Flowers pink, with lighter shade in center; large foliage and strong stem.

Lilac Cap. Pretty lilac-mauve. Dwarf.

Purple Cap. Dwarf compact grower.

Yellow Cap. Bright clear yellow, ball-shaped flowers.

White Cap. Pure white.

Each 20c, postpaid; doz. \$2.00; 100, \$10.00 (by exp.)

SPECIAL OFFER No. 114D. Set of 7 for \$1.00, postpaid.

SUGGESTIONS FOR COLOR SCHEMES

IN GARDENS

An idea which has rapidly spread among flower-loving people is the planting of flowers of one color in a small garden, or if the space allows, to have the corners in a separate color scheme. To meet this demand we offer the following suggestions:

These are arranged in order of height of plant, the dwarfest, which may be used for an edge, being first.

Bride's Garden, White.—Sweet Alyssum, Little Gem, Verbena, Mammoth White, Aster Branching, White, Phlox Dr. Grandiflora, White, Nicotiana Affinis, Cosmos Early Flowering, White.

Sunshine Garden, Yellow.—Pyrethrum Aureum Golden Feather, Marigold Legion of Honor, Zinnia Mexicana, Fire, Calliopis Golden Wave, Sunflower Argophyllus.

Red Garden, Red.—Phlox Dr. Nana Compacta Fireball, Dianthus Crimson Belle, Linum Grandiflorum Rubrum, Balsam Atrasanguinea, Fl. Pl.; Salvia Drooping Spikes.

Turquoise Garden, Blue.—Ageratum Blue Perfection, Nicotiana Miss Jolly, Brachycomia Iberitana Blue, Centaurea Cyanus Double Blue, Aster Branching Purple.

Daybreak Garden, Pink.—Portulaca Single Pink, Verbena Snowflour, Dianthus Eastern Queen, Aster Branching, Mary Semple, Cosmos Early Flowering Pink.

SMALL-FLOWERING (POMPON) OUTDOOR TYPE

All Collections of Chrysanthemum Plants and those ordered at single plant rate on PREPAID.

DAHLIA PLANTS

In the following list we offer what we consider the very best of the foreign and American Dahlias, which we observed in our extensive trade last season when we were enabled to select for variety of form and color, freedom and perfection of bloom and length of season, the following very complete assortment.

We offer all Green plants, with the exception of those also offered in roots.

Contrary to public opinion we maintain that Dahlia plants are always superior to dry roots, and are willing to take the responsibility of recommending them.

While roots may generally be planted by April 25th, it is hardly wise to set out the growing plants until May 10th to 15th, but with good care and soil, the started plants make such strides of growth as to surpass earlier plantings.

Full cultural directions accompany every order.

Please state if you want a substitute if our supply of any is exhausted.

Prices. All Dahlias listed on this page, each and dozen price include prepayment. Larger lots by Express at Buyer's expense.

NEW AND CHOICE DAHLIAS

ATTRACTION. (Peony). Very large perfect and full flowers of a clear lilac rose. A rare color; producing fine flower stems. Price, each, \$1.00; doz., \$10.00.

BIANCA. (Peony). Lilac-rose; very free flowering and a wonderful variety for cut flowers. Price, each, 35c; doz., \$8.00.

HOCHSAL. (Decorative). A clear golden-orange, darker shaded in center; very free flowering, early. Price, each, 75c; doz., \$8.00.

KALLIE. (Cactus). Pure scarlet. A true majestic flower frequently measuring 8 to 10 inches in diameter, strong grower. Price, each, \$1.00; doz., \$10.00.

KING OF AUTUMN. (Decorative). An entirely new shade of buff yellow suffused with orange. The color is unique, flower and foliage of vigorous constitution. A splendid exhibition bloom. Price, each, 75c; doz., \$8.00.

MRS. D. FLEMING. (Cactus). A large graceful pure white, petals long and tubular. Very popular variety. Price, each, 75c; doz., \$8.00.

SPECIAL OFFER No. 115A. One each of above 6 Dahlias for \$4.50, postpaid.

VAUGHAN'S SELECTION OF EARLY FLOWERING

Prices, except where noted, each, 25c; doz., \$2.50.

We have tried the following varieties and recommend them as earliest flowering in our collection.

A. D. Livoni. (Show). A beautiful soft pink flower with quilled petals.

Countess of Londale. (Cactus). A delicate apricot shading towards the edges of the petals to carmine pink. Early and one of the very best.

Crimson Giant. (Decorative). Deep crimson flowers of immense size.

Holstia. (Cactus). Orange scarlet.

Jack Rose. (Decorative). Rich velvety crimson. Price, each, 35c; doz., \$3.00.

Mrs. Henry R. Wirth. (Cactus). A rich glowing intense scarlet Countess of Londale. Each, 35c; doz., \$3.00.

Pink Century. (Single). Delicate soft pink.

Sylvia. (Decorative). White shading to soft pink on the outer petals.

Wm. Agnew. (Decorative). Intense, dazzling red. Price, each, 35c; doz., \$3.00.

Yellow Duke. (Show). Pure carny yellow, large size flowers on good stiff stems.

SPECIAL OFFER No. 115A. One each of above 10 Dahlias for \$2.50, postpaid.

CACTUS VARIETIES

Countess of Londale. (Cactus). A delicate apricot shading towards the edges of the petals to carmine pink. Early and one of the very best.

Charles Clayton. Color is a most intense red. Price, each, 25c; doz., \$2.50.

Florida. Ideal white with large flowers on stout stiff stems. Price, each, 25c; doz., \$2.50.

Holstia. (Cactus). Orange scarlet. Price, each, 25c; doz., \$2.50.

J. H. Jackson. A perfect gorgeous deep velvety, blackish-maroon. Gigantic in size. Every Dahlia lover should grow this variety. Price, each, 35c; doz., \$3.00.

Lavine. A pure white of good form, very free and early-flowering. Price, each, 35c; doz., \$3.00.

Master Carl. Bright amber. A gigantic flower of perfect form with immense and gracefully curved petals. One of the finest. Price, each, 25c; doz., \$2.50.

MARJORIE CASTLETON. The best standard pink cactus Dahlia. Very delicate pink, tinting lighter towards the center. Price, each, 35c; doz., \$3.00.

Mrs. Henry R. Wirth. We always have recommended Countess of Londale as a Dahlia of free-flowering habit and that every flower it produces is perfect.

Rhinkonig. Pure snow white flowers of splendid form, 5 inches and over in diameter. Price, each, 35c; doz., \$3.00.

SPECIAL OFFER No. 115B. One each of above 10 Dahlias for \$2.50, postpaid.

CHOICE DECORATIVE

Devie. The finest pink Decorative Dahlia. Its beautiful soft, yet lively color, a glowing rose-pink, borne on long stiff stems. Valuable as a cut flower. Each, 35c; doz., \$3.00.

Grand Duke Alexis. Pure white, shading to a most delicate and charming shell pink. Beautiful double. Price, each, 50c; doz., \$5.00.

LE GRAND MANITO. Striped and splashed purple on a deep rose colored ground. Flowers of enormous size and perfect form. Price, each, 50c; doz., \$5.00.

MINA BURGIE. Flowers of gigantic size and remarkable beauty. A most glowing brilliant scarlet. Price, each, 50c; doz., \$5.00.

Mrs. J. C. Vaughan. Lovely bright clear yellow flowers, long stalks, flowers very large and very attractive. Price, each, 50c; doz., \$5.00.

Princess Juliana. A fine white, large and splendid form. Early and free-flowering. Strong stems. Fine for cutting. Price, each, 50c; doz., \$5.00.

SPECIAL OFFER No. 115C. One each of above 6 Dahlias for \$2.50, postpaid.

DECORATIVE

AUTUMN GLORY. A soft golden tenn. cotta color that is rich and pleasing by daylight and very lovely under artificial light.

Conna. A pure white, usually from 2½ to 3 inches in diameter, free-flowering.

CHATEAU. Like the rose of that name. Beautiful soft pink and yellow reflex.

David Harum. Bright orange scarlet with deep crimson shadings. Large flat flowers measuring 7 to 8 inches in diameter, wide petals full to the center.

Henry Patrick. A pure waxy white, blooms very freely, flowers 5 to 7 in. in diameter.

Jack's Discovery. White mottled with violet-rose. Flowers of medium size borne on stiff stems.

Jack Rose. Bright carmine-red overlaid violet, resembling the color of the rose with the same name, but more splendid variety for decorative use in the garden.

Jeanne Charmet. Bright pink with crimson edges. Flowers 7 to 8 in. in diameter.

Mrs. Chas. Turner. Pure yellow. A strong grower and profuse bloomer.



GRAND DUKE ALEXIS

Queen of Yellows. A beautiful clear color.

Sylvia. White shading to soft pink on the outer petals.

Wm. Agnew. The richest shade of intense, dazzling red.

Price, each, 30c; doz., \$2.50.

SPECIAL OFFER No. 115D. One each of above 12 Dahlias for \$2.50, postpaid.

SHOW AND FANCY DAHLIAS

Show Dahlias are usually of solid color, but in certain varieties the tips of the petals may be of another. They are usually round, ball-shaped, and are always beautiful and compact, desirable for cut flowers.

A. D. Livoni. A beautiful soft pink flower with quilled petals. Price, each, 25c; doz., \$2.50.

DEWOTY PEA-COCK. Large perfect shaped flowers of a bright sea-shell pink color, very early and continuous blooming. Price, each, 25c; doz., \$2.50.

DREER'S WHITE. Glistening white, resembling in form Grand Duke Alexis; perfect freedom of flowering it is not surpassed by any. Price, each, 50c; doz., \$5.00.

STRADELLA. Rich deep purple crimson; very free-flowering; long stems Price, each, 25c; doz., \$2.50.

STORM KING. Still the finest of all Show Dahlias. An extremely early, profuse and constant bloomer, a strong, vigorous grower of branching habit, producing large, perfect shaped flowers on long stiff stems. Fine cut flowers.

Yellow Duke. Pure carny yellow, large size flowers on good stiff stems. Price, each, 35c; doz., \$3.00.

SPECIAL OFFER No. 115E. One each of above 6 Dahlias for \$1.50, postpaid.

PEONY - FLOWERED

Peony-flowered Dahlias are those having irregularly curved and twisted petals and are as beautiful as they are odd.

Germania. Brilliant carmine, four rows of petals, compact growth.

Jan Olellaegars. Deep primrose yellow; very large and free-flowering.

MADAM VAN BETSEIN. Rosy light changing to light blue.

MADAM VAN N. Orange red, very early and free-flowering.

Queen Emma. A charming shade of hollyhock-pink, the inner petals margined with gold. A very large and magnificent sort.

Queen Wilhelmina. This is a splendid variety of this new type with immense pure white flowers, with yellow center. It is very free-flowering and the flowers are produced on good stems, making a fine variety for garden decoration.

Price, each, 35c; doz., \$3.00.

SPECIAL OFFER No. 115F. One each of above 6 Dahlias for \$1.75, postpaid.

POMPON DAHLIAS

Price of the following varieties, each, 25c; doz., \$2.50.

Under this name come those small Bouquet Dahlias that are so popular for cut flowers. Their small size makes them invaluable for bouquets and their range of color is as great as any of the preceding classes.

CARDINAL. Red. Good grower and free bloomer.

Little Beauty. A very beautiful small flowering light pink.

Little Herman. Deep red, tipped white; very free.

Little Mary. Dark crimson, a perfect model in every way.

Snuggly. Small pure white, free-flowering.

White Aster. Very dainty, clear white; one of the best pompons.

SPECIAL OFFER No. 115G. One each of above 6 Dahlias for \$1.25, postpaid.

SINGLE DAHLIAS

These are rapidly coming into favor every year on account of their profuse blooming and handsome colors, rendering them invaluable for bouquets. We list the following varieties as being the very best as to color and size of flower.

Gold Standard. Pure yellow flowers borne on long, graceful stems.

Maroon Century. Beautiful, rich maroon, large yellow center. Erect, free-flowering.

Pink Century. Delicate soft pink, similar to Twentieth Century and an equally profuse, the largest and finest of the set. Strong and vigorous with fern-like foliage.

Praxiteles. Velvet purple, tipped white.

Pres. J. R. Clark. Rich claret.

Scarlet Century. Brightest dazzling scarlet, golden disc. Immense flowers of fine round form, very profuse in flowering. Price, each, 25c; doz., \$2.50.

SPECIAL OFFER No. 115H. One each of above 6 Dahlias for \$1.25, postpaid.

DAHLIA ROOTS

Unnamed Double Dahlias. Undivided flat clumps in white, pink, yellow or red; good roots. Each, 35c; doz., \$3.00, by exp.

Mixed Single and Double Dahlias. Undivided flat roots. Each, 25c; doz., \$2.50, by exp.

Mixed Double Dahlias. Undivided flat clumps. Each, 25c; doz., \$2.50, by exp.

Dahlia Tubers. In white, pink, yellow or red. Each, 15c; doz., \$1.50, postpaid.

Hardy Climbing Vines



CLEMATIS PANICULATA

Bignonia Radicans. (Trumpet Vine.) Dark red orange throat, free blooming. Very hardy and rapid grower. Useful for covering unsightly places, stumps, or wherever a showy flowering vine is desired. 2 yr., each, 75c.

CELASTRUS

Celastrus Articulatus. (Japanese Bitter Sweet.) Vigorous climber with almost round, bright green leaves, and orange-yellow capsules in the fall. This variety fruits earlier and more freely than C. Scandens, and is one of the best vines to be had for a porch. 2 yr., 65c.

Celastrus Scandens. (Climbing Bitter Sweet.) A native climbing or twining plant, with handsome large leaves, yellow flowers in May and June and clusters of ornamental orange-tinged fruit in autumn. One of the most desirable climbers for shade. Strong 2 yr. vines, each, 50c; 3 yr., 65c.

CLEMATIS

JAPANESE CLEMATIS (Clematis Paniculata)

The finest small flowered Clematis extant. A wonderfully rapid grower, quickly covering trellises, arbors, etc. The flowers are pure white, deliciously fragrant and produced with the greatest freedom. It flowers in September, when few other vines are in bloom. Easiest to grow and most popular of all the small flowered vines.

PRICES

By Mail, Postpaid.		By Express, at Buyer's Expense	
Age	Each	Each	Age
2-year	.....\$0.65	2-year	.....\$0.60
3-year	......85	3-year	......75

4-year, ex. heavy. \$1.00
3-year, pot grown. 1.00

LARGE-FLOWERING CLEMATIS

The Large-Flowered Clematis are the most beautiful of all our flowering vines. The flowers are large, often measuring four to six inches across and are borne in great wreaths and clusters during July and August. The colors are rich royal purple, wine color and pearly-white. The vines are of slender, wiry growth and require some support that they can twine around, like a rod, pole or wire, and if the location is somewhat moist and partially shaded so much the better. The north side of house or porch with partial sun is a good spot. Hardy, but it is best to mulch them in winter.

Duchess of Edinburgh. One of the best double whites, of vigorous habit, very free of bloom and delightfully fragrant.

Henry. (Ragholme Belle.) Strong grower, flowers always eight-petaled, 4 to 6 in. in diameter and pure white. Very hardy.

Jackmanii. This variety, with its strong, healthy growth, hardy nature and rich, deep velvety-purple flowers, is the most satisfactory of its class. Blooms with astonishing profusion on shoots of the present season; should be pruned early in spring.

Madame Baron Veillard. Light rose, lilac shadings. Much admired.

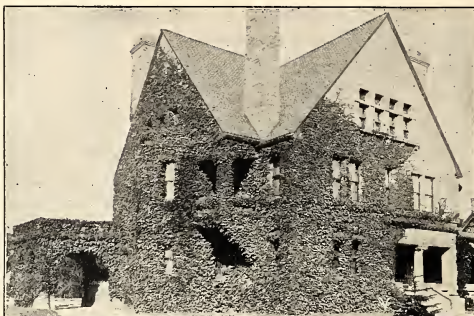
Ville de Lyon. Its blooming capacity is great and the flowers are of the most magnificent, brilliant crimson; they are large and of beautiful circular form. Prices of above, 2 year, each, \$1.00.

Gold Medal Collection. One 2 year old root, each, Jackmanii, Duchess of Edinburgh and Ville de Lyon, \$2.75.

VARIOUS SPECIES OF CLEMATIS

Coccinea. Bell-shaped flowers, bright coral red; blooms from June until frost. 2 yr., each, 75c.

Crispa. Fine, deep blue, with a white border and deliciously fragrant. 2 yr., each, 75c.



AMPELOPSIS VEITCHII (Boston Ivy)

The grandest hardy climbing vine in existence for covering houses, churches, schools, etc. Its glossy, ivy leaves overlap each other, and its long, delicate young shoots stretch up the walls with free and rapid growth. The tendrils at nearly every point cling firmly to the smooth surface of rock or brick. Prices, 3 yr., each, 75c; 3 for \$2.10; doz., \$8.00.

Pot Grown. For late planting (Ready June 1st). Prices, each, \$1.00; doz., \$10.00.

Akebia Quinata Vine. A beautiful hardy climbing vine. It often grows 15 ft. in a year and produces in early summer large clusters of fragrant rosy purple flowers resembling Forget-me-nots. Large vines, 3 yr., each, 75c.

Ampelopsis Engelmannii. (Engelman's Ivy.) One of the hardiest, best and quickest growing climbers for the north and northwest. Quite similar to the Virginia Creeper, but vastly superior to it, the foliage being cleaner, of greater substance and not turning yellow during the early fall, and almost perfectly free from insects. Leaves color beautifully in the fall. 2 yr., 75c.

Ampelopsis Quinquifolia. (Virginia Creeper or Woodbine.) Luxuriant in growth, with handsome foliage turning to bright crimson in the fall. Very hardy vine for covering old tree trunks, walls or fences. 2 yr., 50c; 3 yr., 75c.

Aristolochia Siphon. (Dutchman's Pipe.) Very hardy, strong growing vine with large peculiar heart-shaped leaves. Curious pipe-shaped flowers of yellowish brown. 2 yr., each, 85c.



WISTARIA

EUONYMUS RADICANS VEGETUS

(Large-leaved trailing Euonymus)

This is a most valuable ground-covering evergreen plant, with rich deep green foliage, thriving in partial shade or under trees where grass and other plants fail. It is also our best hardy evergreen vine, retaining its foliage through the Winter, even when exposed to the sun. 3 yr., 85c; 4 yr., \$1.00.

HONEYSUCKLES (Lonicera)

We cannot speak too highly of this class, for covering arbors, fences, pergolas, verandas, etc. They are the best vines for ground planting under trees and if used on terraces or embankments, will prevent washing. Railroads are using them very extensively for this purpose. All are perfectly hardy and improve in beauty each year. **Belgica.** (Sweet Scented Monthly.) One of the most satisfactory Honeysuckles, producing continuously large trusses of red and yellow fragrant flowers. 2 yr., 60c. **Fuchsoides.** (Scarlet Trumpet or Semperflorens.) Fuchsia-like scarlet flowers, very free and beautiful. 2 yr. only, 60c.

HALL'S JAPANESE HONEYSUCKLE (Lonicera Halleana)

This is one of the finest of all vines that one can plant. It is attractive and thrives in practically all situations. Splendid on trellises, arches, porches, or for covering fences, poles or old dead or ugly tree trunks. It is a strong, vigorous, almost evergreen sort, with pure white flowers, changing to yellow. Very fragrant, and covered with flowers from July to October; holds its leaves till January. The best bloomer of all. 2 yr., 60c.

KUDZU VINE (Pueraria Thunbergiana)

or Jack-and-the-Bean-Stalk-Vine

The most remarkable climber extant. In rich soil will grow 70 feet in one season. Starts into growth slowly, but after three or four weeks grows almost beyond belief. Leaves in shape like Lima Bean; dark green; texture, soft and woolly. Fine for porches, arbors, old trees, etc. Strong roots, each, 50c.

MATRIMONY VINE (Lycium)

Well known, hardy, fast-growing vine; handsome when covered with scarlet fruit in autumn. Commonly used as a trailer, and for a ground cover under trees and on terraces or any kind of steep slopes to hold the soil in place. Strong. 2 yr., each 60c.

VITIS

Heterophylla. A handsome climbing plant with deeply lobed leaves, sometimes sprinkled with white and pink. Good for low trellis work. Clusters of light blue showy berries. 3 yr., 75c.

Wild Grape Vine. We have fine cultivated vines of these rapid growing, hardy climbers, well suited to the covering of stumps, arbors, etc. Price, 2 yr., each, 60c.

WISTARIA MAGNIFICA

A strong, rapid-growing vine with light green compound foliage of an evergreen nature, and purple lilac, pea-shaped flowers, borne in a very dense, long, pendulous racemes in advance of the opening of the foliage.

2 yr., extra strong, 60c; 3 yr., extra strong, 75c; 4 yr., extra strong, \$1.00.

ORNAMENTAL and FLOWERING SHRUBS



BERBERIS THUNBERGII—Japanese Barbary

SHIPPING DIRECTIONS. Shrub orders amounting to \$5.00 and over and mixed orders, part shrubs and trees, amounting to \$8.00 include prepayment either by express or freight, within limits of Chicago, otherwise Shrubs and Trees must be sent by express or freight, customers paying charges. Always give full and explicit shipping directions, as our responsibility ends on delivery of Shrubs and Trees in good condition to the freight or express office. All Trees, Shrubs and Plants shipped subject to customers assuming risk regarding State Entomology requirements.

ABOUT PRICES OF TREES AND SHRUBS

Where the price each is given, the following are our rates for 10 of a kind.

Each	10	Each	10
40c.....	\$3.50	70c.....	\$6.50
45c.....	4.00	75c.....	7.00
50c.....	4.50	80c.....	7.50
55c.....	5.00	85c.....	8.00
60c.....	5.50	\$1.00.....	8.50
65c.....	6.00		

Less than 5 plants of a kind will be charged at the Each rate

Where personal selection of any stock is made by customers at our Nursery we always charge according to its value.

No Trees, Shrubs or other perishable stock are sent C. O. D.

Ask for Pamphlet "Planting Suggestions" Useful advice Free

Visitors are invited to our nursery to inspect our stock of Ornamental Shrubs, Fruit and Shade Trees, etc. We have a choice lot of specimens such as are not usually seen. Our nursery is located at Western Springs, (15 miles west of Chicago on C. & Q. R.R.), two blocks South of 47th Street, the continuation of East Boulevard.

The Planting Season is limited by climatic conditions and by the stage of growth of the trees and plants. In Spring the planting season begins as soon as the frost is out of the ground sufficiently to permit digging, and continues until about June first. Toward the last of the summer the evergreens are the first to complete their growing season, and are usually ready for transplanting by the end of August. Deciduous trees and plants may be moved as soon as the leaves have performed their function, which is generally at the time of the first frost in the fall, about the middle of September. The fall season lasts until the ground becomes frozen too hard to allow digging, about December first.

- A denotes shrubs which attain 9 to 12 feet in height at maturity.
- B denotes shrubs which attain 5 to 8 feet in height at maturity.
- C denotes shrubs which attain 1 to 4 feet in height at maturity.

Our Shrubs are transplanted every two or three years and are furnished with plenty of fibrous roots and should not be compared with stock that is seldom transplanted or never moved from cutting beds until sold.

Specimens. This term is applied to shrubs that are perfect both in height and diameter as well as shape, and are recommended where immediate effect is desired.

Non-Warranty. Most of the failures with trees and plants are due to improper planting, unfavorable soil or weather conditions, or other causes beyond the control of the nurseryman. Beyond the guarantee that all stock is in alive and healthy condition when it leaves our hands, we give no warranty as to description, quality, productiveness or growth of any of the trees, plants, or shrubs that we send out, nor will we be in any way responsible for the results obtained through their use. Every order for articles named in this catalogue will be executed under these conditions only. It is obvious, however, that we can afford to send out only such stock as will not only grow well, but prove true to name and description.



A VIEW OF OUR NURSERIES

IMPORTANT. Unpack and examine all packages on arrival, and if roots are dry, give a good soaking with water. Never let trees lie about with their roots exposed to the air. If several have to be planted, open a trench and "heel in" the roots, and then plant at your leisure.

ALMOND, DOUBLE-FLOWERING (B)

A desirable class of early flowering shrubs, blooming in early spring. Double Pink or Double White, bushy, 2 to 3 ft., \$1.00.

ALTHEA FRUTEX (Rose of Sharon) (A)

A free-flowering shrub of easy culture and very desirable on account of blooming in August and September. Flowers resemble a double hollyhock. It requires protection and should be planted only in the spring.

Double White, Pink or Red, extra bushy, 2 to 3 ft., 75c; 3 to 4 ft., \$1.00. Single Blue, 2 to 3 ft., bushy, 75c.

ARALIA (The Angelica Tree)

The luxuriant, tropical aspect of these plants is extremely charming. The large compound leaves, often 3 or 4 feet long, the huge panicles of creamy white flowers, and, in autumn, the wealth of dark purple berries disposed in numerous globe-like clusters—these constitute some of the glories of the Aralias. They are small trees or bushes, relatively hardy, with the larger or tree-like stems surrounded at the base by smaller, unbranched shoots.

Pentaphylla. (B). A pretty Japanese shrub of medium size, rapid growth, branches furnished with spines, leaves five-lobed. Double White, 2 to 3 ft., 75c; 3 to 4 ft., 90c.

Spinosa (Hercule's Club). A large shrub of semi-tropical appearance. Very prickly stem. Bears immense clusters of white flowers. 2 to 3 ft., 65c; 3 to 4 ft., 85c.

BERBERIS (Barberry)

The following varieties are all "safe" ones. Only the *Vulgaris*, green-leaved and purple-leaved, are harmful as declared by the U. S. Department of Agriculture. **Heteropoda.** A handsome and very distinct species. Flowers orange-yellow and fragrant. The foliage is a beautiful dark blue and has a glaucous bloom covering. A really beautiful shrub. Grows 3 to 6 ft. high. A comparatively recent introduction. Bushy, 3 ft., 90c.

Illicifolia. (Holly-leaved Barberry). (B). The thick, spiny evergreen leaves of this species give it a very close resemblance to the Holly. 2 to 2 1/2 ft., \$1.35; Specimens 3 ft., \$1.75. These prices are for stock with ball of earth and burlapped.

Thunbergii. (Japanese Barberry). (B). One of the most beautiful shrubs either for hedging or general purposes. It is of a neat, compact growth and never need be touched with the shears. The foliage is beautiful at all times, and in the fall turns to a most brilliant crimson color.

Age	Height	Each	100
2-year.....	12 to 15 in.....	\$0.45	\$20.00
3-year.....	15 to 24 in.....	.65	35.00
4-year.....	18 to 24 in (Bushy).....	.80	50.00

BOX-BARBERRY

The New Hardy Edging and Dwarf Hedge

A dwarf, upright form of the familiar *Berberis Thunbergii*; it is perfectly hardy, thriving wherever *Berberis Thunbergii* grows. It does not carry winter rust. **Box-Barberry** lends itself most happily to low edgings for formal gardens, when set about four inches apart. It also makes a beautiful low hedge when set 6 to 8 inches apart. The foliage is light green, changing in autumn to a rich red and yellow. We offer one-year field plants, each, 30c; 10 for \$2.75; per 100, \$22.50.

PLEASE NOTE: We cannot accept Orders for Nursery Stock for less than \$2.00. Cost of labor and material having doubled since 1917. Customers desiring smaller amounts will kindly add 25c extra for cost of handling and packing.

**HYDRANGEA PANICULATA GRANDIFLORA****BUDDLEYA VARIABILIS VEITCHIANA (Summer Lilac) (B)**

A very pretty shrub of spreading, pendulous habit, bearing during late summer and fall, long tapering spikes, 20 to 30 in. long, thickly covered with minute tubular lilac-colored flowers. Awarded First Class Certificate by H. S. Low, London. Strong plants, 2 yr., 75c.

CALYCANTHUS FLORIDUS (Sweet Shrub) (A)

The Calycanthus is one of the most desirable shrubs. The wood is fragrant. Flowers are of a rare chocolate color, having an exquisite pineapple fragrance. They bloom in June and throughout the summer. 2 to 3 ft., bushy, 85c.

CEPHALANTHUS OCCIDENTALIS (Button Bush) (B)

A hardy vigorous shrub with large glossy foliage and attractive white flowers. Thrives best in moist, loamy soil. Very valuable for waterside planting, especially when fully exposed to the sun. 2 to 3 ft., 75c.

CERASUS (Flowering Cherry) (A)

With but a few exceptions there are none of the Spring flowering shrubs that excel these in beauty when covered with their wealth of blossoms. Plant them around the lawn, near walks, or other conspicuous places where they can be admired by everybody.

Virginia (Choke Cherry). A handsome shrub or small tree with small racemes of beautiful white flowers. Leaves dark green, oval in shape, turning to yellow before falling. Fruit so dark a purple as to be nearly black. 3 to 4 ft., 75c.

CORCHORUS (Kerria) (B)**(The Globe Flower or Japanese Rose)**

Japonicus. A shrub 4 to 6 feet tall. Native of Japan. Leaves bright green, fading in autumn with tones of yellow. Flowers numerous, bright yellow, large and showy. A charming old-fashioned plant. 1½ ft., extra bushy, 85c.

Japonicus Argentea Var. (B) A pretty dwarf variety with small, green foliage, edged white, slender growth. A valuable dwarf shrub. 1 ft., extra bushy, 70c.

CORNUS (Dogwood) (B)

Hardy and vigorous shrubs, thriving best in moist, fertile soils. In addition, to the showy flowers and fruits which characterize most of the species, they are very attractive objects in winter on account of the brilliant color of the bark of the young shoots and twigs. Valuable for borders and waterside planting.

Alternifolia. (Blue Dogwood.) (B.) A pretty, large shrub: forms almost flat heads. The bunches of white flowers borne in May are followed by deep blue berries. 2 to 3 ft., bushy, 75c; 3 to 4 ft., 1.00.

Mascula. (Cornelian Cherry.) (B.) One of the earliest of spring blooming shrubs bearing a profusion of small, yellow flowers along its naked branches in early days of April. Bright red berries the size of small cherries. 2 to 3 ft., 65c; 4 to 5 ft., 1.00; 5 to 6 ft., 1.50.

Sanguinea. (Red-barked Dogwood.) (B.) Very conspicuous and ornamental. Bark in winter blood-red. 3 to 4 ft., extra bushy, 85c; 4 to 5 ft., bushy, 1.00.

Sibirica. (Siberian Red Osier.) An upright shrub with bright blood-red branches. Native of Siberia. Flowers creamy white in numerous small flat-topped clusters. Fruit light blue or bluish white. Usually 6 to 10 feet tall. Very brilliant, especially in early spring, when the bark is intensely colored. Our stock is very bushy. 2 to 3 ft., 65c; 3 to 4 ft., 85c.

Stolonifera Aurea. (Golden-twigg'd Osier.) A variety with golden yellow bark, very attractive. Planted in masses with the red-barked varieties, an effective and striking contrast may be secured. It is perfectly hardy. 2 to 3 ft., extra bushy, 65c; 3 to 4 ft., extra bushy, 85c; 4 to 5 ft., 1.15.

CRAB (Bechtel's Double-Flowering) (A)

Most beautiful of all the flowering Crabs; hardy. Trees of medium size are covered in early spring with large, beautiful, double, fragrant flowers resembling small roses of a delicate pink. This is the ideal lawn tree for a small yard. 4 to 5 ft., extra fine, \$2.50; 5 to 6 ft., Specimens, \$4.50 to \$6.00; 6 to 7 ft., Specimens, \$6.00 to \$10.00. (See also Malva Floribunda.)

CRATAEGUS (Hawthorn)

Carrieri. Foliage dark, glossy green; fruit large, dark red, showy and hangs to tree long into the winter. 5 to 6 ft., \$2.50.

CYDONIA (Pyrus)

Hardy shrubs with handsome flowers in early spring. They are invaluable for border or garden planting, and make beautiful informal or clipped hedges. The fragrant fruits are often used for making a tart, delicious jelly. They thrive in almost any well-drained soil.

Japonica. (Japan Quince.) (B.) A single shrub on the lawn is very attractive; bears brilliant crimson flowers, among the first in spring. Valuable for ornamental hedges. 2 to 3 ft., 80c; 3 to 4 ft., 1.00.

CYDONIA—Continued

Maulei. A beautiful dwarf shrub bearing a profusion of bright orange-scarlet flowers. A very desirable hardy shrub. 2 to 3 ft., 80c.

Rosea Grandiflora. Bright rose pink flowers. 2 to 3 ft., 80c.

Rubra Grandiflora. Deep crimson flowers, with very showy fruit, 2 to 3 ft., 50c; 3 to 4 ft., bushy, 1.00.

Simoni. (Sand Pear). A very ornamental rapid growing tree, with masses of white blossoms and deep green foliage. 1½ to 2 ft., bushy, 45c; 2 to 3 ft., 60c.

Umbilicata. (B.) Flowers brilliant rose red, succeeded by large showy fruit. One of the finest large shrubs. 4 to 5 ft., bushy, 1.20.

DESMODIUM PENDULIFLORUM (C)

A shrub-like plant which dies to the ground in winter, but comes up vigorously each spring. Bears attractive sprays of bright rose-colored flowers in September. 2-year, 85c.

DEUTZIA

We are indebted to Japan for this valuable genus of plants. Their hardihood fine habit, luxuriant foliage and profusion of attractive flowers place them among the most beautiful and most popular of flowering shrubs. Flowers in June and through July and August. Of easy culture, thriving in almost any well-drained soil.

Crenata Flore Pleno. This is a variety that has very double flowers which are white tinged with rose. The flowers are produced in great profusion in racemes from 4 to 5 inches long. 4 to 5 ft., 90c.

Pride of Rochester. (B.) A variety of *Deutzia Crenata Flore Pleno*, and producing large double white flowers; back of the petals slightly tinted with rose. It exceeds all the other sorts in size of flower, length of panicle, profuseness of bloom and vigorous habit. 4 to 5 ft., extra bushy, 85c.

ELEANUS (Silver Thorn)

Angustifolia. (Russian Olive.) (B.) A large shrub with silvery, often spiny branches. Leaves small, greenish above, silvery white beneath, lanceolate, 2 to 3 inches long. Flowers yellow within, silvery, on the outside, fragrant. Berries yellow, coated with silvery scales. 4 to 5 ft., 85c; 6 to 7 ft., 1.25.

EUONYMUS (Strawberry or Burning Bush)

Hardy shrubs with showy fruits, noted for the intense coloring of the fall foliage. They are well adapted for specimen plants or for massing in the shrub borders. They require moist, loamy soil.

Alatus. (Winged Burning Bush.) (B.) Dwarf, compact habit. Wood corky; leaves small; fruit red; very beautiful in autumn when the foliage turns bright red. One of the prettiest of shrubs for specimens on the lawn.

2 to 3 ft., extra bushy, 1.75; 5 to 6 ft., Specimens, \$5.00 to \$7.00; 6 to 8 ft., Specimens, \$8.00 to \$10.00.

EXOCHORDA GRANDIFLORA (Pearl Bush) (A)

A vigorous growing shrub, forming a neat compact bush. Pure white flowers borne on slender racemes, on light and very branches that bend beneath their load of bloom. Hardy. 2 to 3 ft., 85c.

FORSYTHIA (Golden Bell)

These are pretty shrubs of medium size. All natives of China and Japan. The flowers are drooping, golden yellow, and appear very early in spring before the leaves. The best very early flowering shrubs. Admired by thousands in Chicago, Paris. They should be planted where they will receive the full benefit of early spring sunshine.

Intermedia. Flowers bright yellow, glossy green foliage.

3 to 4 ft., extra bushy, 75c; per 100, \$50.00; 4 to 5 ft., extra bushy, 90c; 4 to 5 ft., Specimens, 1.25.

Guelder Rose. See Viburnum Sterile.

HAMAMELIS VIRGINICA (Witch Hazel) (B)

A hardy shrub with singular bright yellow flowers in late autumn, blooming often after the leaves have been killed by frost. Thrives best in moist, loamy soil, either in full sun or partial shade. One of the best for autumn bloom. 2 to 3 ft., 65c.

HIPPOPHAË RHAMNOIDES (Sea Buckthorn) (B)

A large shrub with spine-tipped branches. Flowers yellowish, produced in short clusters in spring. Berries, orange or bright orange-red, maturing in early autumn. Good for embankments or bluffs near the sea shore. 3 to 4 ft., 75c; 4 to 5 ft., 90c.

HYDRANGEA**ARBORESCENS GRANDIFLORA "SNOWBALL" (C)**

This new American Hydrangea was found growing wild some years ago in the woods of Ohio and is one of the most beautiful hardy flowering shrubs. Its greatest value, aside from its beauty, is that it comes into bloom just after the flowering time of the Lilacs, Syringas, Viburnums and spring-flowering Spiraeas and continues on into August. The panicle is more like a Snowball in form and size than *Paniculata Grandiflora* (hence the name), and is a pure white. It thrives well in various soils but requires shade.

2-yr., bushy, 75c; 3-yr., bushy, 85c.

HYDRANGEA PANICULATA GRANDIFLORA (A)

Tens of thousands of this noble summer and autumn-flowering shrub have been sold the past few years, and the demand is now universal. They grow to a height of 8 to 10 feet, and are absolutely hardy, growing in any soil and bloom the same year they are set out. They flower abundantly, bearing immense panicles of bloom a foot long, white at first, turning to rose in autumn, commencing to bloom in August, when very few shrubs are in bloom. An annual shortening of branches tends to increase the size of the flowers.

2-yr., bushy, 75c; 3-yr., bushy, 90c; 4-yr., bushy, 1.10.

(Tree Form) (A)

These plants have a clear stem, with a bushy top, making a grand show when in flower. Extra selected 2½ ft. stem, 1.25; 3-ft. stem, 1.50.

LIGUSTRUM (Privet)

These are extensively used for hedges and screens and are also planted among other shrubs for the beauty of their flowers and berries. They are hardy and vigorous, thriving in almost any fertile soil and stand clipping.

Amurensis. (Amor Privet.) (B) A large shrub with upright branches. Leaves dark green and lustrous, tardily deciduous, or in the South nearly evergreen. Flowers white, in erect panicles. Splendid for hedges. Very similar to the California Privet as universally used for hedging in the East, but unlike it here in that the Amoor is hardy. 2 to 3 ft., extra bushy, 55c; per 100, \$28.00; 3 to 4 ft., extra bushy, 65c; per 100, \$35.00.

Ibota. (Chinese Privet.) (B) A valuable hardy Privet for the western and northern states. It is almost evergreen and grows freely in all soils. Compact and regular in form, and bears shearing to any extent. Flowers white and fragrant; leaves long and shiny. A charming shrub for hedges or specimens. 2 to 3 ft., extra bushy, 55c; per 100, \$28.00; 3 to 4 ft., extra bushy, 65c; per 100, \$35.00.

Ovalifolium. (Californian Privet.) (B) Large, broad leaves, and one of the best of all Privets but not hardy in vicinity of Chicago. Those residing in southern states should use it. (Best planted in Spring).

2 to 3 ft., bushy, 40c; per 100, \$25.00.
Vulgare. (European Privet.) (B) Very useful for hedges; can be clipped any shape. Grown as a single specimen it produces panicles of white flowers in June. The foliage is of a lighter green than the other sorts. Its black berries remain on the bush all winter and are quite ornamental. 18 to 24 inches, 50c; per 100, \$30.00.

LILAC (True Syringa) (B)

Alphonse Lavalle. A variety bearing beautiful double flowers of a rare blue color. 4 to 5 ft., \$1.50.

Bertha Dammann. Magnificent pure white flowers. 3 to 4 ft., \$1.20; 4 to 5 ft., \$1.50.

Charles X. A strong, rapid-growing variety, with large, shining leaves; trusses large, of a reddish purple color. 2 to 3 ft., 90c; 3 to 4 ft., \$1.25.

Congo. Flowers large, wine red. Very valuable. 3 to 4 ft., \$1.25.

Japonica. June. Glossy, leathery leaves. It is quite hardy, and the yellowish white flowers come after other lilacs are through blooming. 3 to 4 ft., \$1.25; 4 to 5 ft., \$1.50.

Jeanne d'Arc. Large panicles of pure white flowers. 4 to 5 ft., \$1.50.

Joskeas. (Hungarian Lilac.) Has dark blue-colored flowers. It blooms the first week in June. It is distinct and valuable. 3 to 4 ft., \$1.25.

LE CAULIOS. A good strong grower. Trusses very dense; the flowers are double, a rose-lilac color; a very good flower. 4 to 5 ft., \$1.50.

Mad. Casimir-Perier. This is the best, double white lilac; immense compact spikes of double white flowers. 3 to 4 ft., \$1.25; 4 to 5 ft., \$1.50.

Mad. Lemoine. Double pure white flowers, borne in large clusters. Strong bushes. 3 to 4 ft., \$1.00; 4 to 5 ft., \$1.50; 5 to 6 ft., \$2.00.

Marie Legraye. Large panicles of white flowers. Valuable for forcing. The finest white Lilac. 3 to 4 ft., \$1.25; 4 to 5 ft., \$1.50.

Michael Buchner. Dwarf plant, vigorous. Double flowers of pale lilac color. 3 to 4 ft., \$1.50; 4 to 5 ft., \$2.00.

Persian Purple. Small glossy leaves that do not mildew. Sweet scented flowers. 3 to 4 ft., \$1.00; 4 to 5 ft., \$1.50; 4 to 5 ft., specimens, \$2.00.

Souvenir de Louis Spach. A distinct and most beautiful variety having immense trusses of deep purplish-red with enormous flowers. 4 to 5 ft., \$1.25; 4 to 5 ft., \$1.50.

Villosa. A species from Japan. Large branching panicles; flowers light purple in bud, white when open; fragrant. Especially valuable, as its flowers appear two weeks after those of other Lilacs. 3 to 4 ft., \$1.20; 4 to 5 ft., \$1.50.

Volcan. Flowers large, ruby red. 3 to 4 ft., \$1.25; 4 to 5 ft., \$1.50.

Vulgaris Purpurea. (Common Lilac.) Bluish-purple flowers. A standard variety. Always good. 3 to 4 ft., extra bushy, 75c; per 100, \$50.00. 4 to 5 ft., extra bushy, 90c; per 100, \$75.00; 5 to 6 ft., \$1.20; per 100, \$80.00. 7 to 8 ft., \$1.75.

Waldeck-Rousseau. Flowers double, light rosy lilac. 4 to 5 ft., \$1.50.

LILAC TREE FORM

Japonica. A unique species from Japan becoming a good sized tree with glossy leathery leaves. It is quite hardy, and the creamy white flowers in large panicles bloom a month later than other lilacs, and for this reason it is especially desirable. 4 to 5 ft., \$1.75; 5 to 6 ft., \$2.00.

LONICERA (Bush Honeysuckle)

Handsome upright shrubs, with showy flowers and bright berries. They thrive in almost any fertile soil, and in most instances prefer sunny situations. Invaluable for border or mass planting. Other species are described under "Vines."

Alberti. A low shrub with slender graceful branches. Leaves narrow, glaucous, of bluish green, about an inch long. Flowers rose pink, fragrant, blooming in late spring or early summer. Berries very large, vinous-red, with a glaucous bloom. Well adapted for rock gardens. 2 ft., bushy, 75c.

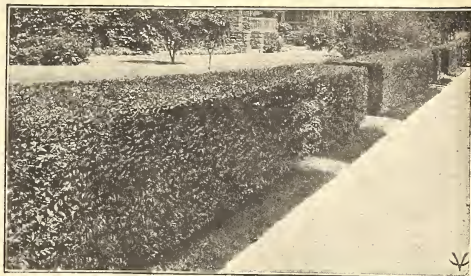
Morrow. (Japanese Bush Honeysuckle) (B). A strong, vigorous grower with wide spreading branches, with pure white flowers produced in May and June, followed by brilliant red berries. 2 to 3 ft., 60c; 4 to 5 ft., specimens, \$1.25.

Tatarica (Tartarian Honeysuckle). A large shrub with numerous upright or spreading branches. Flowers white or pink, borne in great profusion in late spring. Fruit red or orange, ripening in summer and persisting until autumn.

Tatarica Alba (White Tartarian) (B). 3 to 4 ft., extra bushy, 90c. 4 to 5 ft., \$1.20.

Tatarica Rosa (Pink Tartarian) (B). 3 to 4 ft., extra bushy, 90c; 4 to 5 ft., extra bushy, \$1.20. 5 to 6 ft., extra bushy, \$1.50.

Tatarica Rubra. (Red Tartarian). 6 to 7 ft., \$1.75.

**PRIVET HEDGE****LYCIUM (Matrimony Vine)**

An old-fashioned hardy shrub with a wealth of scarlet berries. It thrives in almost any fertile soil. The long branches may be trained over fences or trellises, but more effective results may be obtained by planting at the top of retaining walls or steep banks and allowing the graceful stem to fall over. **Barbarum.** 2 year, 60c.

MAHONIA

Aquifolium. (Holly-leaved Barberry or Oregon Grape.) A handsome ornamental shrub with compound leaves, the 5 to 9 leaflets dark lustrous green, spiny toothed. In winter the foliage assumes a bronze or coppery hue. Flowers yellow, in dense clusters, appearing in spring. Berries blue or nearly black. Hardy throughout most of the country, but requires some protection in the colder sections. One of the most desirable of low growing shrubs. The plants we furnish are balled and burlapped and therefore sure to get an early start. 3-year, balled and burlapped, \$1.25 to \$1.50.

MALUS (Pyrus)

Arbutifolia (Choke-Berry). Clusters of small white flowers in May succeeded in August by bright red berries that remain until winter. Bright crimson autumn foliage. 3 to 4 ft., \$1.00.

Atrosanguinea. Flowers crimson, produced in great profusion. A charming variety. May. 4 to 5 ft., \$1.50; 6 to 7 ft., \$2.00.

Bechtel's Double Flowering Crab—See page 118.

Coronaria. (Wild Crab Apple.) A small tree or bush with spreading spiny branches. Leaves heart-shaped, bronze at the time of unfolding, turning yellow or bronze in autumn. Flowers very fragrant, pink, produced in clusters. Fruit yellow-green, fragrant. Frequently used for making preserves. 3 to 4 ft., \$1.00.

Spectabilis Fl. Albo Pleno. Chinese Double White Flowered Crab. 4 to 5 ft., specimens, \$1.20.

Niedzwiedziana. Handsome pinkish white flowers, grand variety. 6 to 7 ft., \$1.50; 7 to 8 ft., \$2.00.

MORUS (Mulberry)

Tatarica. (Russian) 20 to 25 ft. Hardier in the northwest than all others. 5 to 6 ft., \$1.00; 6 to 7 ft., \$1.25.

PHILADELPHUS OR SYRINGA (Mock Orange)

Indispensable well-known shrubs that are prized for their beautiful foliage and white flowers. The taller kinds flower profusely and nothing is finer in their season; while the dwarf varieties do not bloom so lavishly, they form pretty, compact bushes, useful for the front of shrubberies.

Avalanche (B). New. The flowers are large, white, very sweet and produced in such profusion that their weight bends the long slender branches almost to the ground, producing a most wonderful effect as if the branches were loaded with new fallen snow. 3 to 4 ft., bushy, \$1.00.

Bouquet Blanc. Double or semi-double flowers; very floriferous. 3 to 4 ft., bushy, \$1.00. 4 to 5 ft., bushy, \$1.25.

Coronaria Aurea (Golden Leaved Mock Orange). Much prized for its bright effect. 2 to 2½ ft., extra bushy, 90c.

Grandiflorus (A). (Large-flowered Syringa or Mock Orange.) Without a doubt one of the most popular shrubs grown and ought to be in every garden no matter how small. Flowers are pure white, very large and it is one of the most free-flowering of the genus. 3 to 4 ft., bushy, 80c; 4 to 5 ft., bushy, \$1.20.

Lemoinei. Flowers are large, semi-double, very fine. The bush is of a dwarfish habit. Considered one of the best of many varieties of Mock Orange. 2 to 3 ft., 85c.

Lemoinei Conquette. Branches thin and flexible. Flowers large, double, irregular, with narrow sepals, tulip-shaped; very sweet and floriferous. 2 to 3 ft., 85c.

Lemoinei Erectus (B). A charming variety of erect growth; creamy white fragrant flowers, smaller than the other varieties, but very attractive. Distinguished by its smaller leaves. 3 to 4 ft., bushy, 85c.

PRIVET. See Ligustrum.

Nana Variegata. (C). One of the most conspicuous shrubs; leaves beautifully margined creamy white; flowers pink. A dwarf grower and admirably adapted to small lawns or gardens. 2 to 3 ft. extra bushy. 75c.

ORNAMENTAL TREES

On orders for trees amounting to \$12.00 and over, we prepay freight charges within limits of Chicago, orders for smaller amounts are shipped charges collect.

ASH (Fraxinus)

Americana. (American White Ash.) A fine tree that produces large clusters of greenish white flowers on the ends of the branches in June. A desirable shade tree for street or lawn planting.

Height	Caliper	Each	10 for
7 to 8 ft.	1 1/2 to 2 inch	\$2.00	\$17.00
8 to 10 ft.	2 to 2 1/2 inch	3.00	27.00

Viridis. (Green Ash.) A beautiful tree with glossy green leaves and symmetrical habit, rapid growth. A splendid tree for street planting.

We have these only in larger sizes, write for prices.

BIRCH (Betula)

Lutea. (Yellow or Gray Birch.) Native of America. Bark, yellowish-gray and somewhat flaky, 6 to 7 ft., \$2.50; 8 to 10 ft., \$4.50.

Papyrafera. (Paper or Canoe Birch.) Native of America. Forms a large tree; bark brilliant white, leaves large and handsome. 7 to 8 ft. \$2.50; 8 to 10 ft., \$3.50.

Cut-Leaved. Weeping. 10 to 12 ft., each, \$4.00.

BOX ELDER (Ash Leaved Maple)

A rapid growing tree with wide spreading branches having bright green leaves, turning yellow in early autumn. 8 to 10 ft., \$1.60.

CATALPA

Bungei. (Umbrella Tree.) These beautiful globe-shaped tops being grafted high on clean straight stems form one of the most valuable trees for landscape designing, especially for formal effects. 2 year heads, 5 to 6 ft. clear stem, \$4.00 to \$5.00.

Kaempferi. (Japanese Catalpa.) A species of rapid growth, deep green, glossy foliage. Height. Each. 10 for

7 to 8 ft.	1 1/2 inch	\$2.00	\$16.00	8 to 10 ft.	1 1/2 to 2 inch	\$4.00	\$35.00
8 to 10 ft.	2 inch	3.00	25.00				

Speciosa. (Western Catalpa.) One of the most rapid growers, producing large panicles of fragrant white flowers delicately marked with violet and yellow. Reliable, hardy and extensively planted.

Height	Caliper	Each	10 for
8 to 10 ft.	1 1/2 to 2 inch	\$2.25	\$20.00
10 to 12 ft.	2 inch	3.00	27.00

ELM (Ulmus)

American. The ideal street tree. We offer shapely trees.

Height	Caliper	Each	10 for
8 to 10 ft.	1 1/2 to 2 inch	\$3.00	\$25.00
10 to 12 ft.	2 to 2 1/2 inch	5.00	45.00
12 to 14 ft.	3 inch	7.00	65.00
14 to 16 ft.	3 1/2 inch	10.00	90.00
16 to 18 ft.	4 inch	12.00	110.00

For larger trees and larger quantities, write for prices.

English Elm. (U. Campestria.) Leaves deep rich green, persisting and holding their color longer than any other species. Extensively planted as a shade tree.

Ht. Ft.	Cal. In.	Each	Ht. Ft.	Cal. In.	Each
10 to 12	2 1/2 to 3	\$6.00 to \$8.00	15 to 18	4 to 4 1/2	\$18.00 to \$20.00
12 to 15	3 to 3 1/2	10.00 to 14.00	15 to 18	4 1/2 to 5	20.00 to 25.00
12 to 15	3 1/2 to 4	14.00 to 18.00			

Write for prices in larger lots.

This is wonderfully fine stock and this type is much better suited to city conditions than the American Elm, which later is best in the country.

Huntingdon Elm. (Ulmus Velutina.) Clean, smooth bark, erect, stately habit. Not as subject to attacks of insects as some kinds, and one of the very best ornamental trees for any purpose.

Height	Caliper	Each	10 for
8 to 10 ft.	1 to 1 1/2 inch	\$4.00	
8 to 10 ft.	1 1/2 to 2 inch	\$4.00 to 5.00	
10 to 12 ft.	2 to 2 1/2 inch	5.00 to 7.00	

Monumental Elm. (U. Campestria Monumentalis.) A slow growing variety, forms a straight dense column, reminding one of a Lombardy Poplar. Very distinct and beautiful.

Height	Caliper	Each	10 for
8 to 10 ft.	1 1/2 to 2 inch	\$5.00	\$45.00
12 to 15 ft.	2 to 3 inch	8.00	70.00
12 to 15 ft.	3 to 3 1/2 inch	10.00 to 15.00	
12 to 15 ft.	3 1/2 to 4 inch	15.00 to 18.00	

Purpurea. (Purple-leaved.) A variety with large purple leaves in the spring, changing to dark green as season advances.

Height	Caliper	Each	10 for
15 to 18 ft.	3 to 3 1/2 inch	\$10.00 to \$15.00	
18 to 20 ft.	3 1/2 to 4 inch	15.00 to 18.00	
18 to 20 ft.	4 1/2 to 5 inch	18.00 to 22.00	

Scotch Elm. (U. Campestria Latifolia.) This is a splendid variety for street planting. They average 7 to 8 ft. clear stem and we have 1500 to select from.

Ht. Ft.	Cal. In.	Each	Ht. Ft.	Cal. In.	Each
12 to 15	1 1/2 to 2	\$4.50	15 to 18	2 to 2 1/2	\$10.00 to \$14.00
10 to 12	2 to 2 1/2	5.00 to 7.00	15 to 18	3 1/2 to 4	14.00 to 18.00
12 to 15	2 1/2 to 3	7.00 to 10.00	18 to 20	4 1/2 to 5	20.00 to 22.00

GINGKO BILOBA (Maidenhair Tree)

THE value of this tree lies in the fact that it is immune from the ordinary attacks of insects and withstands so well the unnatural conditions of our cities. It is highly ornamental on lawns or public grounds.

Height	Caliper	Each	10 for
8 to 10 ft.	2 to 2 1/2 inch	\$5.00 to 8.00	
16 to 18 ft.	2 to 2 1/2 inch	8.00 to 10.00	

LINDEN (Tilia)

Crimean. (T. Dasystyla.) A handsome tree with a pyramidal head. Leaves heart-shaped, dark, lustrous green, turning yellow and brown in autumn. 10 ft. to 12 ft., 2 1/2 to 3 inch caliper, \$6.00 to \$8.00.

Americana. (American Linden.) A fast growing, upright, close-headed native tree with large, fragrant flowers.

10 to 12 ft.	2 1/2 to 3 inch caliper	\$6.00 to \$8.00.
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LOCUST (Robinia)

Pseudacacia. (Black or Yellow Locust.) It is well known for its beauty when loaded with its racemes of creamy flowers in spring. 5 to 6 ft., 85c.

Honey Locust. (American.) A tree of picturesque outline and rapid growth. Thrives on very light soils.

Height	Caliper	Each	10 for
6 to 7 ft.	1 inch	\$1.00	\$8.00
8 to 10 ft.	1 1/2 inch	\$6.00	\$50.00
8 to 10 ft.	2 inch	\$1.50	\$12.00
10 to 10 ft.	2 1/2 inch	1.00	10.00

MAPLE (Acer)

Norway Maple. (Platanoides.) Its compact habit and vigorous growth render it one of the most desirable.

Height	Caliper	Each	10 for
10 to 12 ft.	2 to 2 1/2 inch	\$8.00 to 9.00	
10 to 15 ft.	2 1/2 to 3 inch	9.00 to 12.00	
15 to 18 ft.	3 to 3 1/2 inch	10.00 to 15.00	

Schwedleri. (Schwedleri's Purple-Leaved Maple.) A handsome tree with beautiful foliage, in the spring a purplish crimson changing to dark during the summer and fading to tones of purple, red and brown in the fall. Has the same characteristics as the Norway Maple.

Height	Caliper	Each	10 for
12 to 15 ft.	2 to 2 1/2 inch	\$8.00 to 12.00	
12 to 15 ft.	3 to 3 1/2 inch	15.00 to 25.00	

Silver Maple. (Dasyrarpum.) Very fast growth, makes dense shade and thrives in any soil. We offer especially fine trees for street planting.

Height	Caliper	Each	10 for
8 to 10 ft.	1 to 1 1/2 inch	\$1.50	\$12.00
10 to 12 ft.	1 1/2 to 2 inch	\$1.50 to 2.00	\$12.00 to 15.00
10 to 12 ft.	2 1/2 to 3 inch	4.50 to 6.00	

MULBERRY (Morus)

Russian. (M. Tartarica.) Very hardy, vigorous growth, fruit of small size, varies in color from white to black. (For prices see Shrubs.)

Weeping Mulberry. (M. Tartarica Pendula.) The most beautiful weeping tree of recent introduction. The slender branches grow downward parallel with the trunk forming an umbrella-like shape. All who have seen it agree that in light, airy gracefulness and delicacy of form, it is without a rival. It undoubtedly takes the foremost place among weeping trees. It has beautiful foliage, is hardy, enduring the cold of the north and the heat of the south.

5 to 6 ft., 2 yr. heads, \$5.00 to \$6.00.

London Plane. (Orientalis.) A large and massive tree with massive branches forming a wide crown. Foliage a bright green, flowers pendulous, the latter about one inch in diameter. A rapid-growing and beautiful tree with picturesque gray or white bark. Extensively used for street and park planting in cities where there is much smoke.

Height	Caliper	Each	10 for
8 to 10 ft.	1 to 1 1/2 inch	\$1.50 to 2.00	
10 to 12 ft.	1 1/2 to 2 inch	2.00 to 3.00	
10 ft.	2 to 2 1/2 inch	2.00 to 4.00	

Write for prices on larger sizes.

OAK (Quercus)

Pin Oak. (Quercus Palustris.) An upright vigorous growing variety, forming a stately round-topped tree, with long slightly pendulous branches. The dark green, deeply cut foliage turns to brilliant yellow and crimson shades in autumn, forming one of the best of our fall colored trees. Transplants the easiest of all oaks, and is one of our very finest lawn trees and a desirable avenue tree.

Height	Caliper	Each	10 for
6 to 7 ft.	1 to 1 1/2 inch	\$2.50	\$20.00
8 to 10 ft.	1 1/2 to 2 inch	4.00	35.00

Red Oak. (Quercus Rubra.) An American variety, rapid in growth, with large foliage, which assumes in the fall a purplish scarlet hue. It makes a fine specimen and cannot be too highly recommended for general planting.

Height	Caliper	Each	10 for
6 to 7 ft.	1 to 1 1/2 inch	\$2.50	\$20.00
8 to 10 ft.	1 1/2 to 2 inch	4.00	35.00

POPLAR (Populus)

Bolleana. Grows 60 to 80 feet high. Similar in habit to the Lombardy Poplar; very euphatic and a distinct-looking tree; has silvery white foliage.

Height	Caliper	Each	10 for
8 to 10 ft.	1 to 1 1/2 inch	\$2.50 to \$3.00	
10 to 12 ft.	2 to 2 1/2 inch	3.50 to 4.00	

Carolina Poplar.

Height	Caliper	Each	10 for
8 to 10 ft.	1 1/2 to 2 inch	\$2.50 to \$3.50	
10 to 12 ft.	2 to 2 1/2 inch	3.50 to 4.00	

Lombardy Poplar. A tall columnar tree of picturesque and very formal aspect. One of the characteristic trees of Lombardy and other parts of Italy. Widely planted; a very rapid-growing and hardy tree.

Height	Caliper	Each	10 for
8 to 10 ft.	1 1/2 to 2 inch	\$1.20	\$8.00
10 to 12 ft.	1 1/2 to 2 inch	1.50	10.00
12 to 15 ft.	2 to 2 1/2 inch	2.50	

TREE OF HEAVEN

Tree of Heaven. (Ailanthus Glandulosa.) A lofty rapid-growing tree from China, with long, leathery foliage exempt from all diseases and insects. Thoroughly hardy and has ability to withstand the smoke and gases of the city. 3 to 4 ft., 80c; 5 to 6 ft., \$1.20.

WALNUT

Sieboldii. A perfectly hardy tree of rapid growth and handsome outline. Nuts produced in clusters. A fine ornamental tree. 7 to 8 ft., \$2.00; 10 for \$16.50; 8 to 10 ft., \$2.50.

Vaughan's Fruit Trees

We shall be glad to prune fruit and other trees for planting if requested. In that case, however, our customers cannot expect to receive trees that answer our specifications as to height, for the catalogue prices are for trees unpruned.

Certificate of inspection, showing freedom of our stock from San Jose and other injurious insects, etc., will be attached to all shipments.

APPLES

We offer the following selected varieties in the 4 to 5 ft. size only. Each, \$1.20; 3 for \$3.30; 10 for \$10.00.

Autumn Strawberry. Red stripes, very white flesh. Bears young.

Baldwin. Large, roundish; deep bright red; juicy, crisp, sub-acid, good flavor very productive of fair, handsome fruit. One of the most popular commercial varieties in northern states. Dec. to March.

Banana. Large, clear yellow, fine quality.

Ben Davis. Large, handsome, striped, productive; a late keeper. Tree remarkably healthy and vigorous. A profitable, market sort. Dec. to March.

Black Ben Davis. Stronger, harder, and a better drought resister than Ben Davis; fruit large, solid, deep dark red.

Delicious. Fruit large, nearly covered with brilliant dark red, flesh fine grained, crisp, melting; very highest quality. Splendid keeper and shipper.

Duchess of Oldenburg. Tree a strong grower, young and abundant bearer. Fruit large, yellow streaked red, rich sub-acid flavor, juicy and good. Valuable in all sections for both market and home use. Early Sept.

Early Harvest. Medium to large; pale yellow; tender, with a mild, fine flavor. A first grower and a good bearer; excellent for orchard and garden; one of the first to ripen. Middle to end of August.

Fameuse. (Snow Apple.) Medium size; deep crimson; flesh snowy white, tender, melting and delicious; one of the finest dessert fruits, and valuable for market; succeeds particularly well in the North. November to January.

Grimes' Golden. Grained pitted as a hardy variety, producing annual crops. Medium, roundish, oblate, rich, bright yellow; with small dots; flesh yellow, juicy, tender, crisp, rich, sprightly sub-acid, with a fine aroma. Dec. to Feb.

Jonathan. Medium, pale yellow, nearly covered with brilliant stripes of lively red; flesh white, juicy, spicy, sub-acid, fine grained, rich.

McIntosh Red. Large; skin yellow, nearly covered with bright red; flesh white, tender and juicy. A popular bright red apple largely grown in the North where hardness is required. Nov. to Feb.

Northern Spy. Large, somewhat ribbed. Flesh white and tender, with a mild sub-acid, rich and fine flavor.

Northern Greening. Yellow, smooth, rich, of good size, resembling Grimes' Golden in shape and color; good quality and an extra long keeper. Tree hardy, vigorous, abundant annual bearer.

Red Astrachan. Large, beautiful deep crimson, overspread with a thick bloom; juicy, rich, acid, productive. One of the best summer apples. August.

Rome Beauty. (Late Winter.) A large, bright red apple that is tender, flesh, juicy, good quality and an A-1 cooker. Bears young, blooms late, fruit hangs long and can always be depended upon for a full crop.

Spitzenburg. Large, oblong and tapering; skin smooth, bright red, with numerous russet dots; flesh yellow, crisp, juicy, with a brisk, rich flavor.

Wagener. (Red Winter Apple.) Wagener is one of the most beautiful winter apples ever grown. It is of the highest quality, the flesh being crisp, tender and aromatic. We know of no apple possessing greater beauty or of finer quality. It succeeds well East and West. Dec. to May.

Wealthy. The best, handsomest, most satisfactory fall apple. Largely planted throughout the United States. It is large and uniform in size, a brilliant red all over marked with stripes and splashes of deeper red. The tree grows large and symmetrical, is an enormous bearer and is hardy and thrifty. Wealthy trees bear extremely young and none more profitable earlier in life.

Winesap. Large, deep red, a good keeper; quality medium, a moderate grower and good bearer. Succeeds well in the west. Dec. to May.

Yellow Transparent. One of the most desirable early apples in cultivation. Early bearer, frequently producing fine fruit on 2-year trees in nursery rows. Good grower and hardy, fruit pale yellow, good size and good quality; skin clear, white at first, becoming a beautiful pale yellow. July and August.

CRAB APPLES

Prices same as Standard Apples

Any of the following: 4 to 5 ft. trees.

The Crab Apple has many points of excellence. It makes a fine ornamental tree, perfectly hardy, and will grow in any kind of soil. It bears very early and every year. Unequaled for jelly and for vinegar; can be dried or preserved.

Hyslop. The fruit is covered with brilliant carmine to dark purplish red, overspread with a thick blue bloom. It is roundish, uniform shape; large size for a crab. Good for jelly.

Siberian. Sour and acid; excellent for jelly; a good grower.

Strawblond. An old variety, well known for its bright red color, good size, and juicy, crisp yellow, sub-acid flesh; roundish oblong shape. Very good for culinary uses.

Whitney. One of the largest, glossy green splashed carmine.

A leaflet on PLANTING, MANURING and PRUNING fruit trees will be sent free to all applicants.

CHERRIES

Any of the following (except where noted): 4 to 5 ft. trees. Each, \$1.50.

DYEHOUSE. Largely planted for early market, ripening a week before Early Richmond. Early annual bearer, productive, fine size, good quality. Acid. June.

EARLY RICHMOND. Medium size, dark red; melting; juicy, sprightly acid flavor. This is one of the most valuable and popular of the acid cherries for cooking purposes and production. June.

ENGLISH MORELLO. Rich, dark red fruit. Extralarge.

MONTMORENCY. A popular market variety; good for all purposes. Vigorous grower, very productive. Fruit large, light red; ten days later than Early Richmond. Late June.

WINDSOR. Fruit large, liver-colored; flesh remarkably firm, sweet and of fine quality. Tree hardy and very prolific. Very valuable late sort. July 5 to 6 ft., \$1.75.

DWARF APPLE AND PEAR TREES

The Dwarf Apple and Pear Trees come into bearing much earlier than the Standard Trees. Their low, broad heads are within reach so that the fruit can be easily picked. These trees take up so little room that they can be planted in the garden, or even on the lawn, and with care will bear good crops within three or four years. The fruit is of extra high quality. Dwarf Trees are secured by propagating apples on Paradise stock; Pears on Quince. We have the following list to offer:

DWARF APPLES. 3 to 4 ft. Each, \$1.50.

✓ Delicious; Duchess of Oldenburg, Snow Fameuse, Wagener, Yellow Transparent.

DWARF PEARS. 3 to 4 ft. Each, \$1.50.

Bartlett, Clapp's Favorite, Duchess, Seckel.

PEARS

Price (except where noted), 4 to 5 ft. Each, \$1.50; 3 for \$4.20; 10 for \$13.50.

The soil best adapted for Pear culture is of rich and heavy quality. The fruit of summer and autumn varieties should be picked as soon as it has attained full size, when, if ripened in dark, dry closets, it is not subject to rotting at the core, and develops its best flavor. Pick winter sorts as soon as the weather indicates the liability of hard frost. Spraying is desirable at the blooming season, but leaf-blight can be treated by cutting away the diseased limbs entirely. Thinning increases size and insures a quality of remaining crop.

BARTLETT. The most popular summer pear; large fruit of musky melting flavor. The tree is a vigorous grower, an early and abundant bearer. August and September.

CLAPP'S FAVORITE. Resembles the Bartlett, ripening a few days earlier, hardy and vigorous either on the pear or quince. Care should be taken to pick the fruit at least a few days before ripen.

DUCHESSE. Grafted on Quince, on which it does best. A fall pear, large fruit, rich and juicy. A popular market variety.

FLEMISH BEAUTY. Large, juicy, rich, one of the hardest. September and October.

KIEFFER. Good for preserving and canning; extra large; good bearer. October. 6 to 7 ft., \$2.00.

KOONCE. Thoroughly tested for several years. Has produced good crops when all other varieties were killed by frost. Fruit medium to large, yellow with carmine cheek; quality good; ripens in time for the earliest market. July and August 7 to 8 ft., \$2.25.

SECKEL. Small, yellowish brown, red cheek; best to eat out of hand, or pickle.

PEACHES

The following are of the freestone variety:

Price, the following 4 to 5 ft. trees, each, \$1.00. 3 for \$2.70. 10 for \$8.00.

CHAMPION. Middle of August. Fruit large, beautiful; skin creamy white.

CRAWFORD'S EARLY. Large yellow, of excellent quality. Vigorous and prolific.

CRAWFORD'S LATE. Very large and productive, yellow; ripens about the close of the peach season.

CROSBY. One of the hardest; abundant bearer, bright yellow. September.

ELBERTA. Large, yellow; one of the leading market varieties. September.

WONDERFUL. Golden yellow, overspread with rich carmine.

PLUMS

ABUNDANCE. This is the plum for you, if you try but one. Lemon yellow ground, nearly overspread with cherry; flesh yellow. August. 4 to 5 ft., each, \$1.50.

BURBANK. The best and most profitable among growers for market. Tree hardy, jawling, vigorous grower, unequaled in productiveness; fruit large, excellent quality, cherry red with lilac bloom. August. 4 to 5 ft., each, \$1.50.

Okata. A Hansen seedling. Very early and productive. Fruit of medium size, dark red skin, green flesh, quality good. \$2.00.

Sapa. One of Prof. Hansen's seedlings. Skin dark purple; flesh, dark purple red. An early bearer. \$2.00.

WANETA. One of the latest of Prof. Hansen's hybrids, being a cross of the Terry fruit, Japanese and the largest of any of the hybrids, one of the hybrids, one specimen plum being 2 inches in diameter. The fruit is red, thin skinned, and has a sweet and delicious flavor. 4 to 5 ft., \$2.00.

QUINCE

Meech. A vigorous grower and immensely productive. This fruit is large, lively orange yellow, of great beauty and delightful fragrance. Its cooking qualities are unsurpassed. 4 to 5 ft., each, \$1.50.

Orange. Large, bright yellow, fruit of excellent flavor. 4 to 5 ft., each, \$1.50.

Hardy Coniferous Evergreens



JUNIPERUS PFITZERIANA

A Graceful Specimen for Lawn or Mixed Border

ABIES (Firs)

Brachyphylla. (Nikko Fir) A fine hardy fir, of open habit and rapid growth. Fine for groups, specimens on lawns, etc. 5 to 8 ft. Specimens, \$3.00.

Douglasii. (Douglas Fir) A fine rapid growing fir, for extensive planting, windbreaks, etc. or as individual specimens. 3 to 4 ft., \$4.00; 4 to 5 ft., \$5.00.

JUNIPERS

Japonica. Foliage beautiful glaucous green, regularly interspersed with branches of a pure white. A distinct, rare and beautiful variety. 2 ft. by 2 ft., \$4.00 to \$5.00.

Pfitzeriana. One of the best Junipers. Makes rapid growth. Branches are of a thick, rich green, and inclined to droop, making it one of the most desirable as a specimen plant or excellent for rock gardens, where perpetual green is desired. It attains a height of about 12 ft. 12 by 18 in., \$2.00 to \$2.50; 6 ft. by 5 ft. Specimens, \$3.00 to \$3.50; 6 by 8 ft. Specimens, \$4.00 to \$5.00.

Sabina. (Savin Juniper). A dwarf spreading evergreen, with trailing branches suitable for rock work. 12 by 18 in., \$2.50 to \$3.00; 3 1/2 by 6 ft., \$5.00 to \$5.00.

Virginiana (Red Cedar). A rapid, erect grower, with bright rich green foliage. 2 to 3 ft., \$2.00 to \$3.00; 3 to 4 ft., \$3.00 to \$4.00.

Virginiana Elegansissima. A distinct and beautiful variety of the Red Cedar, with golden bronze foliage; particularly attractive in winter, when the golden bronze of the young growth is contrasted with the dark green of the older.

4 to 4 1/2 ft., \$10.00 to \$12.00.

Virginiana Glauca. (Blue Virginia Cedar). A vigorous growing variety, with foliage of silvery tint, compact and conical in form. Makes a fine tree.

3 to 4 ft., \$8.00 to \$10.00.

Virginiana Schottii. Best of all the upright green Junipers; fine pyramidal form with foliage of a peculiar bright green. 12 to 18 in., \$2.00 to \$2.50.

LARIX (Larch)

Europaea. (Common European Larch). A hardy deciduous conifer, of rapid growth, with fine needle-like leaves. A valuable timber tree, and fine for mixed plantations. 3 to 4 ft., \$2.00; 4 to 5 ft., \$3.00 to \$3.50; 5 to 6 ft., \$3.50 to \$5.00; 6 to 7 ft., \$5.00 to \$6.00.

PLANTING NURSERY STOCK

When you receive the bundle from the nursery, if you are not ready to plant, open it up, soak the roots well, and then open a trench about 8 or 9 inches deep and heel in the roots. Don't put them in the basement near the boiler, and don't leave them lying around with the roots exposed to the air or wind. Dig the hole large enough to take all the roots without crowding. See that any injured roots are cut off cleanly. Put the best soil around the roots, tamp well, and don't make the mistake of placing fertilizer directly upon them. Manure, however, may be placed on top of the ground as a mulch. The mistake is frequently made of mulching too heavily, thereby shutting off the supply of air, causing suffocation. Too much is worse than none. Shrubs, trees and fruit trees should be mulched every fall, and this turned in with a fork in the spring. Heavy mulching in the spring excludes the first warm rays of the sun, which are so essential to the growth of young surface rootlets, the feeders for flower and fruit production.

Soil. For all planting, the earth should be in good tilth, especially where small plants are to be set. A good rule to follow is: "The smaller the plant the finer the soil." Good preparation is half the battle. If manure is to be had, and it is possible, spade in a liberal quantity the fall before setting. Remove all weeds and other roots. Good drainage is desirable, and can usually be secured by digging to a depth of about three feet and filling in the bottom with coarse stones. Where very wet, drain with land tile. If the soil is sour or acid, dress with slacked lime, two handfuls to the square yard, and dig in with a fork.

Time to Plant. This depends on the appearance and disappearance of frost. Spring planting should be done as soon as you can get a spade into the ground to its full depth, after frost; fall planting may be commenced about the middle of October and continued until frost.

EVERGREENS include some of the most beautiful trees in cultivation, and varieties may be selected which are adapted to almost any soil or climate. We are giving attention to the propagation and culture of perfectly hardy species and varieties which are the most useful to the general planter, and the list offered below comprises those most in demand as individual specimens and for windbreaks. As individual specimens for lawn planting, it is difficult to imagine anything more stately and beautiful. As screens against objectionable objects and for windbreaks and hedges, nothing is to be had which will give as thick and dense foliage during the entire season.

All of our Evergreens are transplanted every two years, and to insure against loss in handling, each will be lifted with a ball of earth and the roots wrapped in burlap.

To be successful, transplanting should be done during the early spring, April or May, and in September. We advise the planting of the larger specimens quoted. By this means you get immediate results, which otherwise would take time to obtain.

PICEA (Spruce)

Excelsa. (Norway Spruce). A tall and beautiful tree, the most widely grown of all the spruces, equally adaptable to planting as specimens on lawns, for shelter or windbreak. 12 to 18-inch, \$1.00 to \$1.50; 3 to 4 ft., \$2.50 to \$3.00; 4 to 5 ft., \$3.00 to \$4.00.

Alba Nigra. (American Blue Spruce). A small or medium sized tree; a native of North America, of great hardiness, and particularly useful for planting in the Northern States. 1 to 1 1/2 ft., \$1.50 to \$2.00. 1 1/2 to 2 ft., \$2.00 to \$2.50.

Koster's Blue Spruce

Pungens Glauca Kosteriana (Koster's Blue Spruce.) Notable variety from the Rocky Mountains and the most valuable conifer for ornamental planting. A rapid vigorous grower, with stiff, close branches and brilliant, rich silvery blue foliage. Perfectly hardy under all conditions. More in demand at the present time than any other conifer. The stock we offer is the "Compacta" type, which is far more regular, compact and dense than the ordinary Colorado Spruce, besides being of the deepest steel-blue. Beware of seedlings offered at low prices; these are not as blue in color nor as symmetrical and regular in shape. Well-shaped trees, especially selected from our large stock. The variation in these prices is due to the great variation in the individual specimens as to color, shape, symmetry and general appearance.

Height	Each	Height	Each
6 ft. Specimens.....	\$3.00 to \$3.50.	8 ft. Specimens.....	\$4.50 to \$5.00.
10 ft. Specimens.....	\$5.00 to \$6.00.	10 ft. Specimens.....	\$6.00

For Large Specimens, Write for Prices.

Pungens Glauca (Colorado Spruce). This excellent native Spruce can be supplied in two colors—slate blue and green. Height, 12 to 18 in., blue, \$3.50 to \$4.00; 12 to 18 in., green, \$2.50 to \$3.00; 18 to 24 in., blue and green, \$3.50 to \$4.00.

PINUS (Pines)

Mugho. (Dwarf Pine). A low growing handsome evergreen with vividly colored leaves of a twisty nature and cones of a brown, grayish green. Extra fine. 18 to 24 in., \$4.00 to \$5.00.

Strobos. (White Pine). A very beautiful and graceful pine, regular in form with dark green foliage, growing quite tall, surrounded by a symmetrical-formed crown. 2 to 3 ft., \$2.50 to \$3.00; 5 to 6 ft., \$5.00 to \$7.00.

TAXUS (Yew)

Cuspidata. Of dwarf spreading growth, light green foliage. Very hardy. 2 to 3 ft., \$5.00 to \$6.00; 3 to 4 ft., \$6.00 to \$7.00; 4 to 5 ft., \$7.00 to \$9.00.

Cuspidata Brevifolia. A form of the above with short, dark green leaves. A very handsome, hardy variety. Rare. 12 to 18-inch, \$2.50 to \$3.00.

THUYA (Arborvitae)

Occidentalis. (American Arborvitae). A very pretty shapely tree of pyramidal form. The foliage is a fresh vivid green, mellowing to a softer shade on the under side. 18 to 24 in., \$1.50; 10 to 12 ft., \$2.50; 2 to 3 ft., \$2.00 to \$2.50; 3 to 4 ft., \$3.00 to \$4.00.

Occidentalis Globosa. A round compact form, deep green foliage. Very shapely as specimens. 18 inches by 18 inches, \$6.50.

Occidentalis Rosenthalii. Hardly compact grower with dense foliage of dark green. 2 to 3 ft., \$3.50 to \$4.50.

Occidentalis Wareaana. The hardest of American Arborvitae, although of somewhat slower growth; it has most beautiful dense and symmetrical form with a rich dark green foliage. 12 to 18 in., \$2.50 to \$3.00; 18 to 24 in., \$3.00 to \$4.00; 2 to 3 ft., bushy, \$6.00 to \$7.00.

THUYOPSIS

Standishii. (Japanese Arborvitae). A beautiful and attractive species with horizontal branches and bright green foliage. 3 to 4 ft., \$3.50 to \$4.00; 4 1/2 ft., \$5.00.



We have KOSTER'S BLUE SPRUCE in all sizes from 2 to 12 ft. high

VAUGHAN'S SMALL FRUITS**BLACKBERRIES**

Price, each, 25c; 3 for 65c; 10 for \$1.70; per 100, \$10.00.
 If to go by mail, add 10c per doz., or 60c per 100 for postage and packing.
ANCIENT BRITON. Large berries of excellent quality, very prolific. Vigorous, healthy, and one of the hardiest of all.
BLAZED. A new large blackberry, very hardy and productive.
ELDORADO. The vines are very vigorous and hardy, enduring the winters of the far northwest without injury, and their yield is enormous. Berries large, jet black. Large clusters.
HIMALAYA GIANT. New. Vigorous grower; canes sometimes reaching 30 to 40 feet; must be trained on a trellis. Fruit large, black, has yielded as much as 400 crates per acre.
SNYDER. Extremely hardy, enormously productive, medium size; no hard, sour core; sweet and juicy; ripens early.

CURRENTS AND GOOSEBERRIES

These can only be shipped to points in Illinois on account of restrictions of the Dept. of Agriculture. We shall be pleased to send list of varieties and prices on application.

GRAPES

Price, (except where noted) 2-year, each 60c; 3 for \$1.65; 10 for \$5.00; 3-year, each 75c; 3 for \$2.10; 10 for \$6.50.
 If to go by mail, add 10c each or 50c per 100 for postage and extra packing expense.
AGAWAN. (Red or Maroon.) Bunch usually loose shouldered; berries large; skin thick, flesh pulpy, meaty, juicy, of a rich aromatic flavor; ripens about 1st of September.
BRIGHTON. (Dark Red.) Bunches large, berries medium size, skin thin, flesh tender, quality the best. Must be grown with other sorts, as it does not root by itself. One of the best early red grapes.
CAMPBELL'S EARLY—King of American Grapes. (Black.) A grape in all respects better adapted to general use in all sections than any other which has yet been grown and tested. Large, nearly round, often an inch or more in diameter; bloom white, with light, purple bloom; skin thick; flavor rich and sweet. Price, 2-year-old vines, each 75c; 3 for \$2.10; 10 for \$6.50.
 Can only supply 2-year-old vines.
CALAWBA. (Red.) Bunches large and loose; berries large, of coppery red color, becoming purplish when well ripened.
CONCORD. One of the most popular and reliable varieties grown.
DELAWARE. (Red.) Bunches small, compact, shouldered; berries small, round; skin thin; flesh very juicy and very sweet. Early and abundant bearer.
DIAMOND. The leading early white grape. Bunch medium, berry large, white with rich yellow tinge; juicy, almost free from pulp.
MOORE'S EARLY. (Black.) Bunch medium; berry large, with a heavy blue bloom; vine hardy and moderately prolific. Large size and early.
NIAGARA. (White.) Vine hardy; unusually strong grower.
WORDEN. A seedling of the Concord. Bunch large, compact, handsome; berries like those longer than those of the Concord. It ripens a few days earlier and is superior to it in flavor. Very popular for the vineyard and garden.
 Can only supply 2-year-old vines.

RASPBERRIES

Price, (except where noted), each, 25c; 3 for 65c; 10 for \$1.70; per 100, \$10.00.
 If to go by mail, add 10c per doz., 50c per 100 for postage and packing.
COSSAL. Truly colored fruit; dark red berries, subacid flavor.
COLUMBIAN. (Red.) Valuable and profitable. The fruit is cone-shaped, almost purplish color. Fruiting season extends from July 10th to August 15th.
CUMBERLAND. (Black.) Very hardy and productive; remarkably free from disease.
CUTHBERT. Deep crimson, firm. A strong, hardy and productive variety.
GREGG. (Black.) Large heavy bearer.
COL. QUAKER. Large, beautiful. Clear amber yellow.
THE HERBERT RASPBERRY. (Red.) A very strong grower, hardy and very productive. Fruit large to very large, compact, bright to rather deep red; moderately firm; sweet and sub-acid, juicy and of good flavor. The best Red Raspberry today. Price, each, 30c; 3 for 70c; 10 for \$2.00; per 100, \$12.00.
KANSAS. The best of all black canes, berries as large or larger than the Gregg; jet black, firm, handsome and of the best quality.
LOUDON. It is almost even-bearing; fine deep red fruit; large and prolific.

VICTORY—The Great New Red Raspberry

Victory is a seedling of the Cuthbert, one of our best old raspberries, and resembles that grand variety. Victory has produced regularly for several seasons nearly twice as much fruit as Cuthbert, built for hardy and acre for acre, grown in the same field, under exactly the same conditions. Victory berries are very much larger than Cuthbert and of better quality and flavor. Ripens a week ahead and continues to fruit two weeks later than Cuthbert. Victory is a money-maker, fruiting best certificate of merit by the American Institute of New York. Price, each, 40c; 3 for \$1.00; doz. \$3.00.

NEW EVER-BEARING RASPBERRY

ST. REGIS. Gives raspberries for four months the first year planted. The berries are large and of very fine quality, rich and sugary, and keep longer after picking than any other variety. They are of a bright crimson color, and firm, meaty substance. It is the earliest of all red raspberries, commencing to ripen in June, and bears a tremendous crop on the first canes, while the young canes continue to bear fruit in increasing numbers until frost sets in. Awarded the highest certificate of merit by the American Institute of New York. Price, each, 30c; 3 for 75c; doz., \$2.00; per 100, \$12.00.

RHUBARB**VAUGHAN'S MAMMOTH RHUBARB ROOTS**

2-year and 3-year by mail, 5c per root extra.
 1-year, each, 20c; 3 for 45c; 10 for \$1.30. 2-year, each, 30c; 3 for 75c; 10 for \$2.25. 3-year, each, 50c; 3 for \$1.35; 10 for \$4.00. Clumps, each, 75c.

Vaughan's VIGOR Strawberryberries

Price, postpaid up to the 4th zone, 25 for 50c; 100 plants for \$1.50. Postpaid from 4th zone to 8th zone, 25 for 60c; 100 for \$1.75.
 By express, at buyer's expense, 100 for \$1.35; 500 for \$6.50; 1000 for \$12.00. Write for prices on larger lots.

Our plants are grown under ideal conditions in Northern Michigan. Note illustration for root development of a single specimen. They have been developed from selected plants. We expect to make "Vaughan's Vigor Strawberry Plant" the standard for the country. We know you will be pleased. Varieties below are up-to-date. Write for pamphlet on Strawberry Culture.

AROMA. (Per.) Late. One of the most popular late varieties. Fruit large to very large; holds its size well throughout all the pickings. Berry is roundish, conical, smooth and perfect in form and of a beautiful bright glossy red in color; very firm and of high quality. Its rich aromatic flavor has suggested its name. The habit of spreading which this variety possesses opens the way for the sunlight to reach the crown. The leaves are broad, clean and smooth and of a dark green color.

BIG JOE. (Per.) Late. Fruit large roundish, conical, even in size and shape and holds its size well until the last picking. Dark glossy red, firm and of excellent quality; adapted to practically all conditions of soil and climate. A splendid producer. A good seller for the late market, blossoming varieties. Also known as the Joe Johnson.

BRANDYWINE. (Per.) Medium late. Large deep red fruit, and a fancy market product. Flesh firm and red all the way through. The flavor of Brandywine is very distinctive. A general favorite because of its many fine points and its high productivity. Foliage dark green, roots deep, enabling it to endure more dry weather than most varieties. It thrives in any kind of soil and under any reasonable climatic conditions.



CHARLES I. (Per.) Early. This variety has proven itself one of the very best early berries, yielding more quarts of fine, large berries than any other early variety. It is more widely grown than any other early variety and has given satisfaction wherever grown. The berries are extra large, regular in form, of good color and quality. Plants are medium in size, vigorous, healthy, and a good plant maker.

DR. BURRELL. (Per.) Medium early. The berries are large, delicious and beautifully formed. The surface of the berry is a deep glossy red only a trifle lighter in color than the Senator Dunlap. The meat is solid and rich. Its long and heavy root system makes it a splendid drought resistor. The foliage is large and of a dark green, having a tough leaf tissue insuring freedom from leaf spots.

GIBSON. (Per.) Medium early. Berries are large and regular in shape, holding their size well to the end of the season. Color rich red. Flavor is neither sweet nor sour, but just right for canning. Extremely productive, in fact we know of no variety that will produce more quarts of berries per acre than the Gibson. It makes a strong vigorous plant that withstands adverse conditions admirably. This variety seems to absolutely every requirement necessary for a profitable berry. We recommend it and know you will not make any mistake in planting Gibson.

KELOGG'S PREMIER. (Per.) Early. Berries are large, beautifully formed, red through and through; flavor delicious. A splendid shipper. The deep heavy rooting system makes the plant a strong drought resistor, and it is especially adapted to any soil or climate, giving you a big crop of fancy berries which will sell at highest prices. Where extra fancy early fruit is wanted we advise this.

SENATOR DUNLAP. (Per.) Midseason. The fruit is dark red with glossy finish, shading to a deep scarlet on the underside. The meat is a bright red all through and exceedingly juicy. It succeeds everywhere and with everybody—the new beginner as well as with the veteran grower—but should not be allowed to mat too thickly. For a medium sized productive early to midseason berry you need not hesitate to plant Dunlap. One of the best and most popular.

PROGRESSIVE. (Fall bearing.) You can have strawberryberries just as easily in the Fall as in the Spring by planting the Progressive which is the best of all Fall or Everbearing Strawberryberries. This is the strongest grower of all the Fall-bearing varieties we have tried. The plants are very large and heavily rooted, producing a phenomenal crop of medium to large fruits of a dark red color, both inside and out, and of sweet mild flavor. Think of having all the berries you can use on your table during the months of September, October, and November, and later, if not killed by freezing weather.

Price, of Fall bearing, 25 for \$1.00; 50 for \$1.50; 100 for \$2.50; postpaid up to the 4th zone; 500 for \$11.50; 1000 for \$21.50; by express at buyer's expense.
SPECIAL OFFER No. 124. A Strawberry collection, 100 finest plants (Spring delivery only) in four good sorts, our selection, postpaid, for \$1.50.

POT GROWN STRAWBERRIES FOR FALL PLANTING

Ready about August 1st. Selection from above list, doz. 75c; per 100, \$5.00. Fall bearing, doz., 85c; per 100, \$6.50. By express at buyer's expense. Not less than 25 at the 100 rate by express at buyer's expense.

SPRAYERS AND DUSTERS FOR INSECTICIDES

Iron Age Vertical Barrel Sprayer Pump No. 191

For the man with a small orchard or a few trees in the garden, a hand pump furnishes high pressure fairly easily. Fits any barrel, but should be fastened to strongest side of barrel, mounted outside of barrel where it is conveniently reached. Not being covered with solution, is not likely to be corroded. Only parts being inside barrel are dasher and suction pipe. Latter has fine screen at bottom, so sediment cannot pass through pump. Dasher operated automatically with pump handle keeps solution mixed thoroughly.

Price, 191 \$23.00 without barrel; 191B (with barrel) \$28.75; 191C (without barrel) with 15 ft. lead hose \$28.75.

Iron Age 20-Gallon Barrel Sprayer No. 197

For gardens, estates, parks, poultry plants, etc. 20-gallon one man outfit, mounted, brass pump easily taken out of the barrel, and can be used elsewhere. Bull valves, well packing, all easy to get at, 100 pounds pressure. Pump with one hand, guide spray rod with the other. 24-inch wheels, 2-inch tires. Equipment includes 33 inches half inch hose, two lengths of pipe, two feet each, one sliding grip for pipe, one Iron Age nozzle, one extra nozzle or cap for washing windows, etc. Price, \$32.00.

Iron Age Horizontal Barrel Sprayer No. 190

For small orchard or garden, used on one-horse cart or sled. Pump outside barrel; gives 100 to 125 pound pressure. Holds 50 gallons. Each sprayer has double hose coupling, so one or two leads of hose can be used. Price, \$40.00 without hose; 190I with one lead of hose 15 ft. \$44.50.

Iron Age Strainer Should be used on every Spray Rod and will eliminate at least half of your nozzle trouble. Each \$1.50.

Sunshine Double Action Spray Pump



A first-class orchard barrel sprayer, made of best material. Solid brass upper and lower cylinders. Main body and pump is all air chamber, and will withstand a pressure of 150 pounds per square inch.

By using an extension rod the tops of highest trees can be reached.

Pump complete with agitator, suction pipe, brass strainer and two leads $\frac{1}{2}$ inch hose 5 feet long, fitted with Vermorel or Bordeaux Nozzles. Price, \$22.50.

The Daisy Sprayer

Splendid hand sprayer with advantage over similar makes that it sprays when held up or down. Plunger is fitted with double washer which gives spray with backward stroke as well as with forward. Each, \$1.00.



Little Giant

The best dry powder gun; will distribute any dry insecticides. Will do as much work in a day as a horse-power sprayer. Price, \$11.50.

Duster, Lowell

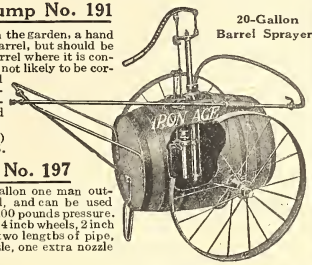


Handy for dusting any powder. Operated same as hand sprayer. Each, 95c.

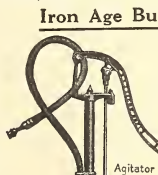
Powder Gun, Cyclone



Small size, 20c. Jumbo size, 45c. Postage, extra, each, 5c.



20-Gallon Barrel Sprayer



Iron Age Bucket Sprayer

No. 195 is the complete Bucket Sprayer with special bucket in place of the foot-piece. An automatic agitator keeps the solution thoroughly stirred. Easily carried in one hand by the pump cross piece or by the lever at the top.

Equipment — 33 inches of hose, two-foot steel pipe extension with adjustable hand grip and "Iron Age" nozzles are included with each No. 195. With the pipe extension you can stand away from your work — also reach higher bushes, small trees, buildings, etc. Price, \$15.00.

Bink's Spray

A medium price sprayer constructed of best material and will do good work. Equipped with 3 ft. discharge hose, shut-off cocks, Star spray nozzle and shoulder strap. Works with compressed air. Price, \$8.75.



Peerless Blower

The best machine on the market for applying sulphur, Paris green, slug shot, etc., to plants in greenhouses.

A 200-ft. greenhouse can be easily powdered in 5 minutes with this machine. Each, \$6.00.



Powder Bellows. Acme.

For dusting with sulphur or like material. One size, each, \$1.50.

Pneumatic Sprayer

Compressed air hand sprayer. Operator sprays with one-half labor ordinary sprayer requires. Throws a fine mist and can be used to apply insecticides, etc. One quart size. Galvanized Tank \$1.25; Brass Tank, each \$2.25.



The Lowell Sprayer

For applying insecticides in form of mist. Reservoir is glass, so operator sees ingredients mixing. Will not corrode or rust. If broken can be replaced with Mason jar. Price, each, 95c.

Success Whitewash Pump and Spray

This is most excellent for use in gardens, greenhouses, orchards, washing windows, and buggies or whitewashing and spraying poultry houses. It is fitted with Bordeaux nozzle, the best combination spraying device, and can be changed from a solid stream to a spray. It is double action and has large air chamber which throws an absolutely continuous stream solid or in fine spray. It is one of the best pumps made for the money.

Price, complete, \$7.50, without bucket.

The Auto Spray

Eight to ten strokes of plunger in air chamber compresses enough air to discharge entire contents, making continuous spray for nine minutes. "Auto Spray" is improved by addition of the "Auto Pop" shown in illustration.

Price, galvanized iron reservoir, \$7.50, with Auto Pop, \$8.00; solid brass reservoir, \$10.50, with Auto Pop, \$11.00. Extension rods, 2 ft. lengths, 60c.

Two-rod attachments, \$1.50.



Perfection Sprayer

The tank is made of heavier metal than is generally used for similar sprayers, while the valve and pump are of special construction to give better service. Hose is attached at such an angle that it will not kink. Unsuspected for Whitewash, Water Paints, Insecticides, etc. Galvanized steel, \$7.50; all Brass, \$10.50.

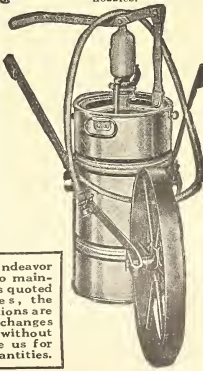
Fulmigrates. Eureka (Galvanized)

No. 1 $\frac{1}{2}$ pk. of stems... \$3.00
No. 2 1 pk. of stems... 4.35
No. 3 $\frac{1}{2}$ bu. of stems... 5.25
No. 4 $\frac{1}{4}$ bu. of stems... 7.50
See page 121 for insecticide nozzles.

Auto Spray

No. 10

12-gal. machine being equipped with a truck, this pump will generate from 40 to 170 pounds pressure to the square inch. Equipment 8 ft. $\frac{1}{4}$ in. high pressure hose and 2 ft. 8 in. iron extension pipe. Lever shut-off and latest pattern screen nozzle. Price, \$31.00.



While we endeavor at all times to maintain the prices quoted on supplies, the market conditions are such that changes may occur without notice. Write us for prices on quantities.

INSECT DESTROYERS,

DEMAND INCREASING

SECURE YOUR SUPPLY

Prices on all insecticides are subject to change as season advances. Chemical market unsteady.

BLACK LEAF 40, is a solution of Nicotine Sulphate.

It is highly recommended by Experiment Stations throughout the United States as a spray for soft bodied sucking insects. For spraying only. Directions must be followed carefully: 1 oz. bottle, 25c; ½ lb. can, \$1.00, makes 40 to 100 gallons; 2½ lb. can, \$3.25, makes 200 to 500 gallons; 10-lb. can, \$13.75, makes 840 to 2100 gallons.



LIME SULPHUR. (Solution.) The best remedy for

San Jose scale. One gallon makes ten. Also one of the best summer sprays, as it is an excellent fungicide. When used in summer dilute with 20 to 30 parts water. Per qt. can, 45c; 1 gal., \$1.00; 5-gal. can, \$4.00.

ANT EXTERMINATOR. Non-poisonous powder which, if scat-

tered about their haunts or runs, will kill or drive away ants from lawns, etc. (We do not send this outside of States of Illinois and New York). Per box 45c; by mail 50c; smaller size 25c.

APHIS PUNK. Special preparation of nicotine for killing insects.

Per pkg., 12 sheets, 75c; 1 case, 12 pkgs., \$8.50.

APHINE. 1 pt., 65c; 1 qt., \$1.00; 1 gal., \$3.00

CALCIUM ARSENATE. (Dry.) For dusting and spraying. A

new arsenical poison for chewing insects, especially potato beetles. Harmless to foliage, not easily washed off. Lb., 55c; 5-lbs., \$2.50; 10 lbs., \$4.50.

BORDEAUX MIXTURE. (Dry.) The best fungicide for curing

and preventing black rot, mildew, blight, leaf curl, scab or other fungoid diseases on fruits and plants. 1 lb. will make 5 gallons liquid. Lb., 40c; 5 lbs., \$1.75; 25-lb. kegs, \$6.50.

BORDEAUX MIXTURE. (Liquid.) Ready for use by simply

adding water. 1 gallon will make 50 gallons liquid. 1 qt., 65c; 1 gal., \$1.65; 5 gals., \$6.50.

CARBON DISULPHIDE. For ants and cut worms.

1 lb., 45c; ¼ lb., 20c.

FISH-OIL SOAP. Standard wash for trees and plants where

insects and eggs affect the bark. Lb., 30c; 5 lbs., \$1.25.

FLOWERS OF SULPHUR. Lb., 12c; 10 lbs., \$1.00; 50 lbs., \$4.00;

100 lbs., \$7.50.

FUNGINE. New remedy for mildew, rust and other fungus diseases,

for greenhouse and outdoor use. 1 qt., \$1.25; 1 gal., \$3.00.

GRAPE DUST. Excellent for the prevention and destruction of

mildew on plants. Per lb., 30c; 5 lbs., 95c; 10 lbs., \$1.80.

HELLEBORE POWDERED, White. Less poisonous than Paris

Green and safer to use when fruit and vegetables are nearly ripe. Per ¼ lb., 20c; ½ lb., 35c; 1 lb., 60c; 5 lbs., \$2.75; 10 lbs., \$5.25.

KEROSENE EMULSION. One of the best insecticides for all soft-

bodied sucking insects feeding openly, so as to be within reach of actual contact, such as plant lice, flea beetles, aphids, green fly, mealy bug; also for insects on fruit trees, including San Jose scale. Per 1-quart can, 50c; 1 gal., \$1.25; 5-gallon can, \$5.00.

LEMON OIL. Destroys mealy bug, scale, red spider. ½ pt.,

35c; pt., 60c; qt., \$1.00; ½ gal., \$1.75; gal., \$3.00; 5 gals., \$12.00.

NICO-FUME LIQUID. For fumigating or spraying; contains 40

per cent. nicotine. ¼ lb., 65c; 1 lb., \$2.00; 4 lbs., \$7.50; 8 lbs., \$14.50.

"NICO-FUME." A Tobacco Paper for Fumigating. Strips of

Paper strongly saturated with Nicotine. These, when suspended and lighted, make one of the best and simplest methods of fumigating greenhouses. Use 4 to 6 sheets for ordinary house 100 ft. long by 20 ft. wide. Price, 24 sheets, \$1.25; 144 sheets, \$5.00; 288 sheets, \$9.50.

ARSENATE OF LEAD (Paste). The latest and best known insecti-

cide for all leaf eating insects. It adheres to the foliage for weeks, thus doing away with repeated sprayings. There is absolutely no danger of burning or scorching the leaves. Lb., 40c; 5 lbs., \$1.75; 10 lbs., \$3.00; 25 lbs., \$6.25; 50 lbs., \$10.50; 100 lbs., \$20.00

ARSENATE OF LEAD. (Dry.) For dusting and spraying. Solves

the problem of controlling practically all leaf-eating insects in a particularly efficient manner. 1 lb., 60c; 5 lbs., \$2.65; 10 lbs., \$5.00; 25 lbs., \$10.50; 50 lbs., \$19.50; 100 lbs., \$38.00.

PYROX. Kills all leaf-eating insects, destroys

fungus growth, blight and rot. Mixes easily in cold water, sprays without clogging and sticks to foliage. Price, lb., 45c; 5 lbs., \$1.90; 10 lbs., \$3.25; 25 lbs., \$6.75; 50 lbs., \$11.75; 100 lbs., \$21.00.



NIKOTTEEN. Use same as Nicotine. 1 oz.

bottle, 35c; 1½ oz., 55c; ½ pt., \$1.10; pt., \$2.00; 3 pts., \$5.75. Per original case 10 pts., \$18.00.

PARIS GREEN. A poisonous insecticide in powder form, for

insects which chew. When applied as a powder, use one part Paris Green to 100 parts plaster or flour. As a liquid, one pound of Paris Green in 150 to 300 gallons water; if used on fruit trees add one pound quick-lime. Changes with market. Lb., 40c; per lb., 70c; 5 lbs., \$3.25; 14 lbs., \$8.50.

READENA. (Flower Spray.) Is an insecticide prepared especially

for spraying flowers, plants and shrubbery, for although it is an effective insect and scale destroyer, it is at the same time harmless to the most delicate foliage. 24 oz. can, \$1.00; ½ gal., \$2.25; gal., \$4.00.

SCALECIDE.

An oil preparation for San Jose scale. Use 1 gal. to 15 gals. water. Qt., 70c; gal., \$1.75; 5 gals., \$7.00; 10 gals., \$12.00.



SLUG SHOT, Hammond's. Guaranteed

to destroy potato bugs, and those on tomato and egg plants, currant worms, cabbage lice and worms. Price, 1 lb., 20c; 5 lb. package, 60c; 25 to 50 lbs., at 10¢ per lb. Per keg 125 lbs., \$12.00; barrel, 250 lbs. in bulk, \$23.00.

Slug Shot Duster. Large size, 60c.

SULPHATE OF IRON. A remedy for weeds on lawns, kills dan-

deloins without injuring grass. Liquid should be applied with a fine spray. Full particulars on application. 5 lbs., 25c; 10 lbs., 40c; 25 lbs., 75c; 50 lbs., \$1.25; 100 lbs., \$2.25.

SULPHO-TOBACCO SOAP. One of the best remedies for green

fly on roses. Per ½-lb. box, 25c by mail, 30c. 3-oz. package, each, 15c.

THRIP JUICE No. 2. Destructive for mealy bug, scale, thrip,

codlin moth, canker worm, beetles, caterpillars, etc.

Per pt., 75c; qt., \$1.10; gal., \$3.25.

TOBACCO DUST, (Fumigating and Dusting). Fine dark

powder of high strength and will do the work. 5 lbs. 45c; 10 lbs., 80c; 100 lbs., \$4.75.

TOBACCO DUST, (Regular Grade). 5 lbs., 30c; 10 lbs.,

55c; 100 lbs., \$4.00.

TOBACCO STEMS. These prices subject to change without

notice, on account of the uncertain supply.

100 lbs. \$2.25

500 lbs. 9.00

1000 lbs. 17.50

TO-BACK-INE. High strength Nicotine preparation. 1 pt., \$3.00;

½ gal., \$1.10; 1 gal., \$2.00.

TREE TANGLEFOOT. Perfect safe-

guard for trees. Lb., 50c; 3 lbs., \$1.45;

10 lbs., \$4.50.

VERMINE. For eel, cut worms and wire

worms, working in the soil. It can be

applied to all vegetation. Gal. \$3.00;

quart, \$1.00.

WORM ERADICATOR. Electric des-

troyer of worms of every kind at the roots of Trees, Shrubs, Flowers, Grape Vines, Vegetables, etc. Brings worms to surface and rids Golf Grounds of worms without discoloring grass. Use 1

or 2 ounces to 1 gal. of water. 24 oz., \$1.00; 1 gal., \$4.00;

5 gals., \$17.50.



Tree Tanglefoot

Garden Insect Enemies

Description and Remedies

(SEE OPPOSITE PAGE FOR PRICES AND APPLIANCES)



CABBAGE WORM

CABBAGE WORM—These green caterpillars hatch from eggs laid by the common white butterfly. There are several broods produced each season. The most effective means of control is by spraying or dusting with Arsenate of Lead, Calcium Arsenate, Kerosene Emulsion, Pyrox, Hellebore, Hammond's Slug Shot.



CABBAGE BUTTERFLY

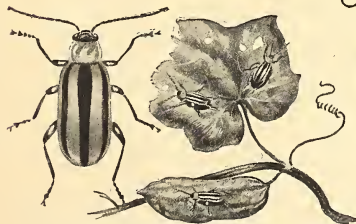


TUSSOCK MOTH

TUSSOCK MOTH—A handsome red-headed yellow and black tufted caterpillar, about one inch long, which devours the foliage of both shade and fruit trees, sometimes eating into fruit. To control this pest, the cotton-like egg masses should be collected in both fall and winter, and trees banded with Tree Tanglefoot. Spray often with Arsenate of Lead, taking care to cover underside of foliage thoroughly.



TUSSOCK-MOTH CATERPILLAR



CUCUMBER BEETLE

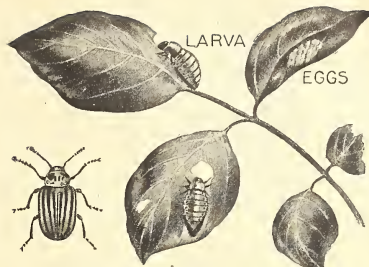
NATURAL SIZE 1/4 INCH

CUCUMBER BEETLE—These striped-black and yellow beetles appear in great numbers and attack the young plants as soon as up. Protect the vines with screens until they begin to run. Spray or dust with Bordeaux Mixture, Arsenate of Lead, Hammond's Slug Shot, Tobacco Dust, Pyrox, covering underside of foliage.



PLANT-LOUSE [APHID]

CARL F. BRONKHAN



POTATO BEETLE

POTATO BEETLE—These striped yellow and black beetles appear in numbers in early spring and as soon as young plants are up. They commence depositing eggs on the underside of leaves, meanwhile feeding upon the tender foliage. In about one week these hatch a horde of hungry larvae who destroy the foliage rapidly, attaining full size in from 2½ to 3 weeks. Remedies: Spraying or dusting with Calcium Arsenate, Arsenate of Lead, Pyrox, Paris Green.



TOMATO WORM

TOMATO WORM—The moths appear in May or June and deposit the eggs singly upon the lower surface of the leaves from which the caterpillars hatch in 4 to 8 days. As they feed voraciously they become full grown in 3 weeks' time. There are sometimes two broods in a season. The most successful remedies are Pyrox, Calcium Arsenate, Arsenate of Lead.

APHIDES—Plant Lice, Green Fly, Bark Lice, etc., are minute insects feeding upon the sap in the tender parts of plants, both indoor and out. Can be successfully destroyed by the use of the following contact remedies: Black Leaf 40, Nikotene, Aphine, Kerosene Emulsion, Lemon Oil, Nicotene, Tobacco Soap. Contact remedies are effective only when the poison touches the insect. Be sure to cover the under side of the leaves.

Double and Single Wheel Hoes

IRON AGE

We are Special Agents for IRON AGE Tools

The Day of the Garden is here. There is fascination, pleasure and profit in the right kind of a garden. The great drudgery of the old time garden of spading, raking and hoeing has by the introduction of modern garden tools been largely minimized. With the **Wheel Hoes**, the gardener, amateur or professional, large or small, can work

over this garden ten times with the same labor required before for a "once over"; he can prepare the ground, furrow, weed, hoe, cultivate, ridge and cover. With the hand seed drills the modern cultivator saves seed and the labor of thinning for the machine plants so accurately that each seed is dropped exactly where wanted, in continuous rows or in hills. It is not only in the labor saving alone that these tools are valuable, but their use also helps produce better crops than possible by the old method. Fertilizer attachments are made which drill in this plant food where wanted without the awful loss of hand-scattering. A woman, boy or girl can easily operate any "Iron Age."

More than 29 years' experience selling garden tools has shown us that the "Iron Age" line is the best in every way. Built right, of the best materials obtainable and designed to do all the sowing and cultivating necessary in a first-class garden. They are complete, adaptable tools—the kind you don't want to part with after you have once used them and know what they will do. Read various numbers and prices carefully, order accordingly.

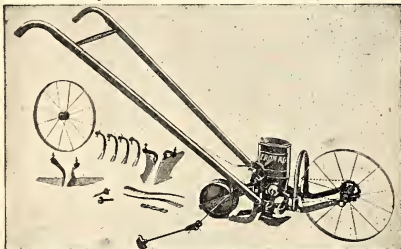


Write for
1921
Booklet

No. 306 Combined Double-Single Wheel Hoe, HILL and DRILL Seeder

Four machines in one—a hill seeder, a drill seeder, a double wheel hoe to work astride the rows, a single wheel hoe to work between—each Tool complete and the equal of any tools on the market. The cut below shows No. 306 set up as a seeder (but with all parts in the picture)—sows accurately in hills at 4, 6, 8, 12 or 24 ins. apart or in drills and quickly changeable.

No. 306 complete with all attachments shown, Price \$20.50.



No. 304 Combined Double and Single Wheel Hoe and DRILL Seeder Like 306 but is a "Drill" seeder only and with different plow.
Price \$19.50

No. 314 A No. 306 Combined Side Hoes and Teeth Only. Price \$18.50.

No. 315 Combined Single Wheel Hoe HILL and DRILL Seeder

Will accomplish about all the work of the No. 306 except that it is a Single Wheel Tool. Takes about same tools and attachments as the No. 306. In its Seeder form sows either way, in drills or hills. Has strong malleable iron frame, the 16 in. wheel and is simply and easily changed and adjusted.

No. 315. Price, Complete, \$17.50.

No. 316. The HILL and DRILL Seeder.

No. 317 Combined Single Wheel Hoe and Drill Seeder is the same as No. 315 without hill-dropping device. Price \$16.50.

No. 315
Price
Complete
\$17.50

No. 3018 B
Price \$17.50
Special
Pattern
For Planting
Seed for
Big Onions
And Sets



No. 318 DRILL Seeder only
Price \$13.75

No. 12 Wheel Plow and Cultivator

An extremely light, yet strong tool, designed for use in a small kitchen garden—it will plow, open furrows and cover them, hoe, rake, cultivate or ridge crops. This is sufficiently low-priced to be within the reach of any small garden owner. A great labor saver. Price, No. 12, \$6.50.

No. 12
Price \$6.50



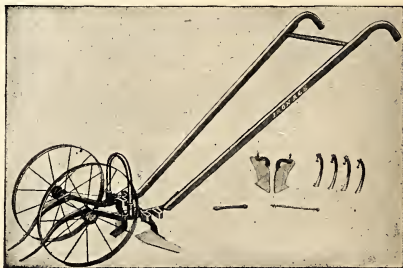
No. 11 Wheel Plow and Cultivator is practically the same tool except furnished with plow only. Price \$5.25.

HILL and
DRILL Seeders
Sold to do One or Both
Operations.

No. 301 Combined Double and Single Wheel Hoe

This is the Wheel Hoe form of the No. 306. Can be made into Single Wheel Hoe in one minute. Cultivates astride the row close up on each side without injury to the plants or between any width rows with hoes reversed. The high wheels make it an easy-running machine. Includes (for \$12.25) all parts shown in cut below. No. 301R. Includes pair rakes besides all other parts. Price, \$13.00.

No. 301
Price
\$12.25



Wheel
Hoe with
only the
hoes order
No. 303,
Price,
\$8.50

No. 320 Single Wheel Hoe

The Wheel Hoe form of No. 315. Tools include side hoes, cultivator teeth, and landside plow. Seeder attachments for drill and hill or drill only can be applied any time. No. 320, Price \$9.00.

Same tool with rakes is No. 320R.
Price, \$10.00.



When wanted plain,
with side hoes only.
Order No. 321, Price,
\$7.00.

No. 308 HILL and DRILL Seeder Extra Large

An extra large capacity drill for market gardeners, etc. Wheel 16 ins. high with 1 1/4 in. tires—runs easily over soft ground. The hopper contains 3 quarts—enough for a round with long rows.

Will sow the same seeds as No. 306. The adjustment for the quantity of seeds is also the same.

The marker is adjustable for widths from 6 to 20 inches. The seed sowing is always in full view. Opening plow may be adjusted to sow at correct depth.

No. 308
Price, complete,
\$19.00



PROMPT DELIVERY

By reason of our central location at Chicago and New York City, and by special arrangement with seedsmen known to us in other large cities, we are prepared to make **QUICK SPECIAL DELIVERY** of both Iron Age, and other gardening tools generally within 2 days from receipt of order, often in one day.

IRON AGE FARM AND GARDEN IMPLEMENTS



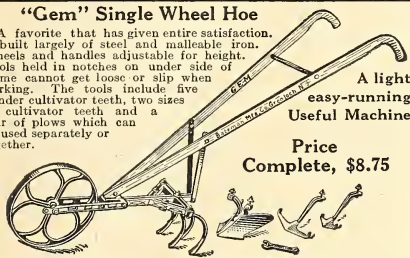
No. 19C Wheel Plow and Cultivator

Price
No. 19C
\$6.75

A popular tool of great strength. This tool will do plowing in light soils, and will open furrows for seed or fertilizer. Cannot be excelled as a one-wheel cultivator. Has two sizes of single teeth for work in narrow rows, scuffle hoe, set of three teeth on a bracket and a landside plow. Landside fitted on the plow acts as a guide, absolutely necessary if you expect to make a clean cut furrow, to stay in the ground and do a real job. The 24-inch wheel travels over rough ground easily. Has long hardwood handles adjustable for height, with full plow-shaped grips.

"Gem" Single Wheel Hoe

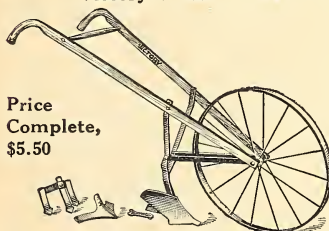
A favorite that has given entire satisfaction. Is built largely of steel and malleable iron. Wheels and handles adjustable for height. Tools held in notches on under side of frame. The tools include five slender cultivator teeth, two sizes of cultivator teeth and a pair of plows which can be used separately or together.



A light
easy-running
Useful Machine

Price
Complete, \$8.75

Victory Wheel Plow and Cultivator

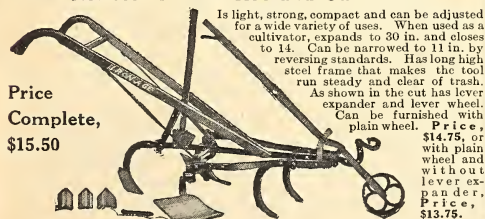


Price
Complete,
\$5.50

Well put together. Steel construction throughout except handles, which are made of strong oak or ash. 24-inch wheel, rides easily over rough ground. Tools furnished consist of a set of three cultivator teeth on a bracket, a scuffle hoe and a landside plow. Has hardwood handles with plow-shaped grips.

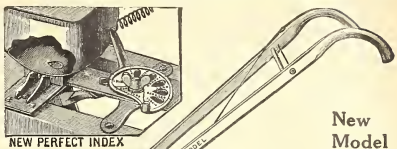
Victory Wheel Plow and Cultivator, \$5.50

No. 600EL Horse Hoe and Cultivator



Price
Complete,
\$15.50

Is light, strong, compact and can be adjusted for a wide variety of uses. When used as a cultivator, expands to 30 in. and closes to 14. Can be narrowed to 11 in. by reversing standards. Has one high steel frame that makes the tool run steady and clear of trash. As shown in the cut has lever expander and lever wheel. Can be furnished with plain wheel. Price, \$14.75, or with plain wheel and without lever expander, \$13.75.



NEW PERFECT INDEX

New
Model
Seed
Drill

New
Model
Seed
Drill

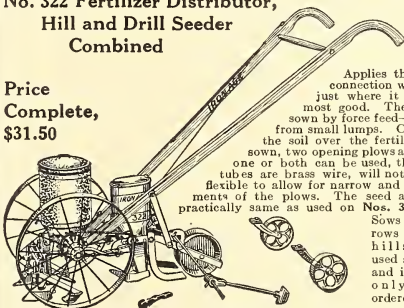
Price,
Complete
\$14.00

Popular with
seedsmen and
market
gardeners.

Exact regulation of seed discharge by using an eccentric index or indicator which adjusts the slide for seed opening exactly where you want it. No series of holes which have to be used whether they answer or not. A swinging cut-off stops flow of seed—does not jam with falling seed.

No. 322 Fertilizer Distributor, Hill and Drill Seeder Combined

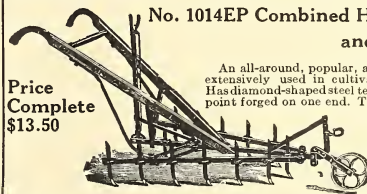
Price
Complete,
\$31.50



Applies the fertilizer in connection with the seed, just where it will do the most good. The fertilizer is sown by force feed—no stoppage from small lumps. Covers draw the soil over the fertilizer soon as sown, two opening plows are provided—one or both can be used, the distributor tubes are brass wire, will not rust and are flexible to allow for narrow and wide adjustments of the plows. The seed attachment is practically same as used on Nos. 306 and 315. Sows in continuous rows or drops in hills. Can be used as side dresser and is sold as such only when so ordered.

No. 1014EP Combined Harrow and Cultivator

Price
Complete
\$13.50



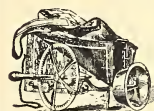
An all-around, popular, adaptable tool. Is extensively used in cultivating sugar beets. Has diamond-shaped steel teeth with cultivator point forged on one end. They are adjustable for depth and angle. With lever expander, cultivates 34 in. wide and closes to 11. When furnished without wheel, Price, \$12.75.

Corn Planter—Hand

"The Eagle." This is a rotary planter, having three different sized plates which can be easily changed. Each, \$3.25.

Cahoon Seeder

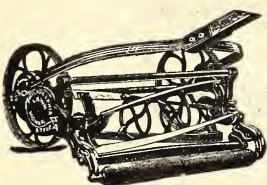
It will seed evenly four to six acres per hour. It will scatter the following distances: Wheat, Barley, Rye, 25 feet; Clover and Timothy, 18 to 20 feet. The bag and hopper hold about 22 quarts. Weight, 5½ lbs. Price, \$6.25.



The Most Popular Quality Hand Tools

Each	Each
Garden Hoe, \$11.10	Dibber for transplanting \$0.65
12-Tooth Steel Rake, .80	Combination Hand Weeder, .40
Garden Spade, 2.25	Excelsior Hand Weeder, .15
Spading Fork, 4-tine, 1.35	Sheep Shears for cutting grass
Garden Line for laying out rows, 1.15	Around trees and houses, .50
Vaughan Trowel, 1.25	Garden Shovel, 2.25
Ordinary Garden Trowel, .15	

Lawn Mowers



Philadelphia Lawn Mower

The genuine Philadelphia Lawn Mowers are the recognized standard for high class machines. They are universally used in cemeteries and parks, where they are run constantly, day after day. The ordinary mowers cannot stand such usage. We list the three highest grade machines made by the Philadelphia company. Write for catalog.

Style A. High wheel, all steel, very easy to run and light in weight. Ten-inch driving wheels. Long, large bearings, four blades, double ratchet. More of these mowers used by parks and estates than all other makes combined. Three gears on one side.

15 in.	17 in.	19 in.	21 in.
\$25.00	\$28.00	\$31.00	\$33.00

Style K. Cylinder with 5 blades. Driving wheel 10 inches. Big bearings, bored with rifle-barrel accuracy. Vanadium crucible steel blades. Very durable. Single pinion gears on both sides.

14 in.	16 in.	18 in.	20 in.
\$20.00	\$22.00	\$24.00	\$26.00

Graham. Named for the president of the Philadelphia company. The finest lawn mower made. All steel cylinder, 4 blades. Driving wheels 10 inches. Train of gears for easy running on both sides. Bearings absolutely accurate. Wheels, gears and cylinders can be removed without disturbing other adjustments.

17 in.	19 in.
\$25.00	\$32.00

Philadelphia Grass Collectors. Have a galvanized iron bottom and never-rip cloth connections. Always be careful to state size and style of Mower when ordering. 14 and 15-inch, \$2.90; 16 and 17-inch, \$3.00; 18 and 19-inch, \$3.25; 20 and 21-inch, \$3.45.

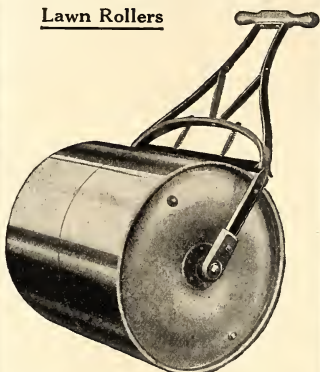
Easy Emptying Grass Catchers

Easily adjusted to any lawn mower. Its strong features are a handle which gives a balanced grip and enables catcher to be readily lifted off, carried, emptied and quickly set on the mower again. A non-slipping bottom, which prevents the grass from slipping forward while mowing. Round backs, so operator will not strike his toes on square corners.



Style 1G, for mower 12 to 18 inches, long wood Price handle	\$2.35
Style 2C, for mower 16 to 22 inches, long wood handle	2.65
Style 23B, for mower 12 to 18 inches (square blades), attached to mower by brackets	1.60
Style 24G, for mower 18 to 22 inches (square blades), attached to mower by brackets	1.75

Lawn Rollers



Water or Sand Weight Roller

Water Ballast Lawn Rollers, steel handles, roller bearings, acetylene welded drums with anti-turf-tearing tires, positively non-rust shut water entrance. The most efficient and easiest running roller that is made.

No.	Diam.	Length	Sec.	Wt.,	Filled	Price
	in.	in.	in.	tons	empty water	
1420.....	14 1/2	20	1	46	148	\$15.00
1824.....	18 1/2	23 1/2	1	76	274	18.00
2124.....	21 1/2	23 1/2	1	94 1/2	418	23.00

Eagle Phila. Horse Mower



The roller of this Mower is in two sections and is 14 inches high, making the 40-inch machine light work for one horse. Weight, exclusive of shafts, 35 inch, 580 lbs.; 40 inch, 610 lbs. Price (including seats, shafts and side-draft attachment) f. o. b. Chicago or New York: 35-inch cut, \$160.00; 40-inch cut, \$185.00.

N. B.—We can also supply any standard make of Horse Mowers. Write for prices before purchasing.

Phila. Eagle Motor Mower

Walking type, cut 30 inches, weighs 900 lbs., 4 h. p. engine. **Riding type,** cut 40 inches, 8 h. p. double cylinder engine. Both types have corrugated rollers, with ends closed and differential gears. Can change to Lawn Roller in less than one minute. Can take out cylinder without disturbing frame of machine. Steel and malleable iron used for parts subject to extra strain. Only flexible frame motor mower made. Adapts itself to uneven ground less subject to breakage. A Motor Mower for use by the average man. Trims large lawns better and at less cost than horse power. Price f. o. b. Philadelphia, Pa. **Walking Type, \$660.00; Riding Type, \$1,200.00.** Can make prompt deliveries at this time.

Philadelphia Lawn Trimmer

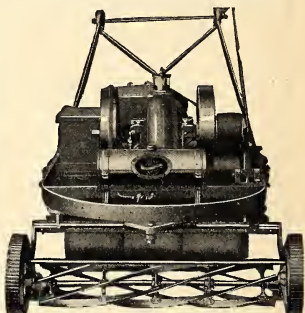
Does what Lawn Mower leaves undone. Having one side without wheel, it can run close to walls and trees, cutting grass clean and quick. Can also be used for trimming edges of walks, etc. Price each, \$7.50, complete.

The Ideal Tractor Lawn Mower

A Successful Power Mower for Large Private Lawns, City Parks, Golf Links, Public Grounds, Cemeteries, etc.

During the past few years, with the ever-increasing cost of hand labor, the maintenance of large lawns has become a serious problem. The new Ideal Tractor Lawn Mower is the logical answer. It is beyond the experimental stage. There are many Ideal Tractors in operation daily in the different parts of the country and they are giving universal satisfaction. Names furnished on request. In a few minutes the machine can be changed to a perfect lawn roller. One man with this machine can do more and better work than five men mowing with hand mowers. The moderate first cost aids in making it a desirable investment.

The machine has few parts and is as near "fool proof" as it is possible to make. Anyone who can keep a gasoline motor supplied with gasoline and oil can operate an Ideal Power Mower. The cutter is pulled instead of driven direct, the same principle as the ordinary hand mower. This saves the breakage which was the cause of many power lawn mower failures. Motor is sturdy, dependable slow speed single cylinder, dry cell ignition, built with as few parts as possible. One lever operates it. Five blade cutter, 30 in. wide. Speed 2 1/2 miles per hour. Actual weight 735 pounds. Write for booklet. **Price: Ideal Tractor Mower one cutting mower, \$370.00; with riding tractor, \$395.00; extra for one cutting mower, \$60.00; extra for putting green mower, \$60.00. F. O. B. factory, Lansing, Mich.**



Ideal Junior 21-in. Power Lawn Mower

Ideal Junior Power Mower with one cutting mower	\$255.00
Extra for one cutting mower	35.00
Extra for one 18-inch putting green mower	50.00
F. O. B. cars, Lansing, Michigan	

Gem Lawn Sweeper

This machine will clean the lawn more thoroughly and quickly than three or four men with hand rakes, and greatly benefit the turf. Put together the most durable and thorough manner.

The rakes are flexible, the rake-heads being divided in the middle and hung on easy-swinging hinges which are kept in position by retaining springs. We can guarantee the machine to do good work.

Price, 24-inch wide, each, \$33.00.

THE RICHMOND SOD CUTTER



A great labor-saver. A whole sod can be cut without removing the sod, provided a narrow strip of about one inch in width is taken out at the start. Price, \$33.00.

FOR THE LAWN, Etc.

Electric Non-Kinkable Hose



Best hose, finest quality of rubber. Will not kink and will last for years. We can supply any length and will fit with snap hose couplings if advised when ordering. Price, $\frac{3}{4}$ -inch or $\frac{1}{2}$ -inch, per 25 feet, \$6.25; 50 feet, \$12.00; 100 feet, \$23.00.

Velvet.

A first-class smooth hose; will give good satisfaction. Price, $\frac{3}{4}$ -in., per 25 feet, \$5.75; 50 feet, \$11.00; 100 feet, \$20.50.

XL. No. 4 Even-Spread Sprinkler



XL. No. 4
Even-Spread Sprinkler

5 in 1—Can be used
five different ways

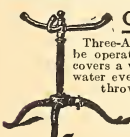
Made substantial and sturdy. Red enamel base. Head made of hard white anti-friction metal. Very simple and nothing can get out of order. Its efficiency and low price makes it very popular.

No. 4. Price, each, \$1.25; 3 for \$3.50.
No. 5 in 1. Price, each, \$2.25; 3 for \$6.50.

Lincoln Park or Butterfly



Cheapest and best Sprinkler
made. Each, 45c.
Mounted on stand, 2-foot, \$1.10,
4-foot, \$1.20; 6-foot, \$1.35.



Columbia Sprinkler

Three-Arm Lawn Sprinkler, which can be operated with a moderate pressure, covers a wide area and distributes the water evenly. The revolving arms throw the water in a fine spray into the air and the motion produces a fine mist. Height, about 1 foot. Each, \$2.25; 3 for \$6.50.

The Evanston Sprinkler



One of the best lawn sprinklers on the market; has no revolving parts to wear out and will not clog with sand or dirt. Gives an even distribution of water over a large area. The fineness and symmetry of its spray makes it especially desirable for new lawns and flower gardens. Its location may be changed while under full working head with perfect ease, by the aid of a wire or cord. Weight, 2 lbs. Each, 75c.

Australian Sprinkler



This sprinkler is one of the best distributors of water, because of its rapid revolution and form of its wings, spraying the water very finely and evenly. Mounted on stand, 2-foot, \$1.10, 4-foot, \$1.20; 6-foot, \$1.35; 8-foot, \$1.50.

The "Snap" Hose Coupler



Best coupler, simple, durable, always tight, for $\frac{3}{4}$ -inch hose. Per pair, 45c.
HOSE COUPLER.
Brass, for $\frac{1}{2}$ or $\frac{3}{4}$ -inch hose. Each, 25c; doz., \$2.50.
Hose Clamps, Bull Dog. Each, 8c; doz., 75c; 1 doz. 80c.
Hose Straps, Caldwell. Used in fastening coupler on hose. Each, 5c; doz., 35c. Pliers for same, 35c.

Perfect Clinching Coupler

$\frac{3}{4}$ -inch, per pair, 35c.

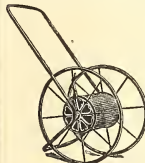
Perfect Clinching

Hose Mender

A self fastening coupling that doesn't require extra bands, bolts or wires. It adjusts itself to any thickness of hose. $\frac{3}{4}$ -inch, each, 15c; doz., \$1.25.



Hose Reel — All Iron



Very light, frictionless; wheels being so high are very easily worked; never break or wear out.

No. 10 for 100 ft. $\frac{3}{4}$ -in. hose, \$5.50
No. 20 for 150 ft. $\frac{3}{4}$ -in. hose, \$6.25

The Cooper Hose Mender



Best hose mender. Copper, with sharp bands on either end, prevent hose slipping off $\frac{1}{2}$ or $\frac{3}{4}$ -inch, each, 10c; doz., \$1.00; 1-inch each, 12c; doz., \$1.25, postage, 5c doz. extra.

Iron Mender, for $\frac{3}{4}$ -inch hose, Each, 8c; doz. 80c.
HOSE WASHERS, $\frac{3}{4}$ -inch, per doz., 5c; gross, 50c.

Lawn Rakes

Automatic Self Cleaning
A backward motion of the operator clears all the teeth at once. Each, \$1.25.



Lawn Queen. Wire teeth, reversible hand, 24 teeth. Each, 90c; 36 teeth, \$1.25.

Gem Dandelion Rake. Will keep dandelions off your lawn. Fine cooper-like steel teeth. Easy working, self-cleaning stripper. Greatly improves the appearance of lawn. Cannot tear or injure the sod.

Large Size
\$3.50



Medium
Size
\$2.75

Horse Lawn Boot

Indispensable where Horse Mowers are used. Our boots are made to fasten round the ankle, and is the most humane boot on the market. Made in three sizes.



No. 2 for No. 2 horse shoe $5\frac{1}{2}$ in. inside measure.
No. 4 for No. 4 horse shoe $6\frac{1}{2}$ in. inside measure.
No. 6 for No. 6 horse shoe 7 in. inside measure.
Price, per set of four, \$15.00.

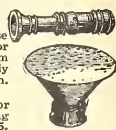


Turf Edger

American, \$1.00; Each, \$1.10

HOSE, REELS, SPRINKLERS, RAKES, EDGERS, ETC.

Hose Nozzles



Gem. Best all-around hose nozzle; can be used for lawn or garden, as it can be changed from fine spray to a stream by simply turning; for $\frac{3}{4}$ -inch hose. Each, \$1.00; by mail, \$1.10.
Boston Rose Spray. Brass; for $\frac{3}{4}$ -inch hose; useful for watering lawn and garden. Each, \$1.35. by mail, \$1.45.



Each, giving both fine and coarse effective sprays. Florists like it. Price, \$2.75.

Insecticide Nozzles

These are especially designed for use in spraying insecticides. Made to fit $\frac{3}{4}$ -inch pipe connection. If wanted to fit $\frac{1}{2}$ -inch hose, order reducer, 45c extra.

Bordeaux Nozzle. Each, \$1.25; by mail, \$1.30.

Vermorel Nozzle. Each, \$1.00; by mail, \$1.05.



Bamboo Extension Rod.

Lined with aluminum. Eight feet long, with stop cock. Each, \$6.50.

Weed Killer.

Herbicide. For use in clearing grass and weeds from roads, gutters, tennis courts. Use with 20 to 40 parts of water.

$\frac{1}{2}$ -gal. . . \$1.10 1-gal. . . \$1.90 5-gal. . . \$7.50

Grass Hooks or Sickles

English. Riveted back. Each, .85c
Domestic. Best quality. 85c



Scythe Blades

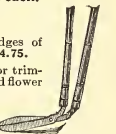
English, riveted back, 30-inch, \$3.00; 36-inch, \$3.50; Scythe Snath, each, \$1.50.
Scythe Stone. Natural, 15c each.

Shears

Border — For trimming the edges of borders and walks. 9-inch, \$4.75.

Sheep — With thumb guard. For trimming grass on ridges and around flower beds. Each, 50c.

Sheep — Best quality steel, 9-inch blade, \$1.50.



Ideal Lawn Edger

For trimming around edges of lawns and walks. A remarkable tool for any lawn. Adjustable to any grade, and will run close to the walk. Keep knife sharp. Do not use on soaking or wet ground. Each, \$3.75



Owing to the fluctuations of the market, prices are subject to change without notice.

TOOLS and REQUISITES

SHEARS—Hedge. Best imported.

8-inch, with notch.....\$2.75
9-inch, with notch.....3.25
10-inch, with notch.....3.50
Notch at crutch of blade to cut small branches.

SHOVELS—Ames. D handle, round point. Ea. \$2.75
Ames. Long handle, round point. Each.....2.75
Ames. D handle, square edge. Each.....2.75



SPADES—Vaughan's. Special D handle. Ea. \$2.25
Ames. D or long handle. Each.....2.75



SPRINKLERS—The Lenox.

A splendid Sprayer for in or outdoor plants, rose bushes, etc. Throws fine spray under or over foliage of any plant or shrub, removing dust and insects. Each, 75c; by mail, 80c.

Scollay's Rubber. Indispensable for floral work. Large, \$1.50; by mail, \$1.55; medium, \$1.25; by mail, \$1.30; small, \$1.00; by mail, \$1.05.



SIEVES. For sifting soil. 18 inches in diameter, all sizes mesh from $\frac{1}{8}$ to $\frac{1}{2}$ inch. Each, \$1.65.

STAKES—
Per doz. 100
Heavy Dahlia. 3 ft.....\$1.65 \$12.25
Heavy Dahlia. 4 ft.....2.20 16.00
Heavy Dahlia. 5 ft.....2.75 20.25

STAKES—GREEN PAINTED WOOD. Very useful for tying plants, shrubs, etc.

Light Weight.
Per doz. 100 Per doz. 100
No. 9 Doz. 100 3 1/2 ft.....\$1.35 \$9.75
2 ft......65 4.15 4 ft.....1.70 12.75
2 1/2 ft......90 6.25 5 ft.....2.10 14.95
3 ft.....1.15 8.00 Per 100 1000
Cane Stakes. 6 to 8 ft. long, extra.....\$2.00 \$10.00
Cane Stakes. 9 to 12 ft. long, extra.....2.50 18.00
Prices on cane Stakes f. o. b. Chicago. Write for prices f. o. b. New York.

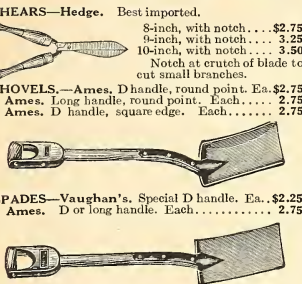
JAPANESE BAMBOO—Plain and Green Painted.

100 1000 100 1000
1 1/2 ft.....\$0.50 \$ 5.75 3 ft.....\$1.50 \$11.00
2 ft.....1.00 7.00 3 1/2 ft.....1.85 12.00
2 1/2 ft.....1.25 9.00 4 ft.....1.75 14.00
Natural. 6 ft.....2.00 12.00 6.00 36.00
Galvanized Wire Stakes.
No. 9 Doz. 100 No. 8 Doz. 100
1 1/2 ft.....\$0.20 \$1.10 3 1/2 ft.....\$0.40 \$2.60
2 ft......25 1.45 4 ft......50 2.90
2 1/2 ft......30 1.65 5 ft......60 3.50
3 ft......35 1.95 6 ft......65 4.00
Owing to market conditions prices are subject to change without notice.

TUBS—(Flower) Richmond.

These are made of best seasoned White Virginia Cedar, securely bound with welded wire hoops. They are nicely painted green, paint of best oils. Prices F. O. B. Chicago or New York.

No. 1 Each Four No. 2 Each Four
1. 6x6 \$0.75 \$2.80 9. 14x13 \$2.25 \$7.50
3. 8x8 .85 3.20 11. 16x15 2.75 10.60
5. 10x9 1.15 4.40 13. 18x17 3.50 13.60
7. 12x11 1.60 6.20 14. 19x18 4.25 16.40
If handles are required add 35c per tub.
The first numeral is diameter at top; the second is depth.



THERMOMETERS. Tin Case. 8-in, 45c; 10-in. 50c.
Cabinet. Wood case, 85c; 3 for \$2.25.
Hot Bed. Brass point, wooden frame, \$2.50.
Self Registering. With magnet to set it, 8-inch, each, \$5.50; registers highest and lowest temperature. Minimum for registering sold, \$3.00.
Coppered Tin Case. 8-inch, easy reading, 50c.

TOMATO SUPPORTS—
Made of heavy galvanized wire.
F. O. B. New York. Each, 45c; doz., \$4.35.
F. O. B. Chicago. Each, 50c; doz., \$4.75.
Carnation Supports—Two
ring, \$8.00 per 100; three ring, \$8.75 per 100.

TRELLIS.—
Wood. Fan shape. 18-inch, 50c; 3 for \$1.35. 24-inch, 55c; 3 for \$1.50. 30-inch, 80c; 3 for \$2.25. 36-inch, \$1.25; 3 for \$3.60. 3 1/2 ft., 21 inches wide, \$1.35; 4 ft., 27 in. wide, \$1.85; 5 ft., 32 in. wide, \$2.25; 6 ft., 38 in. wide, \$2.60; 7 ft., 42 in. wide, \$3.00.

Veranda—18-inch blade, 5 feet, \$2.25; 6-foot, \$2.45; 7 feet, \$2.80, 8-foot, \$3.20, 9-foot, \$3.65; 10 feet, \$3.85.

TROWELS—
Vaughan's Steel. One solid piece of steel and will outwear all others. Each, \$1.25, 3 for \$3.50. Postpaid, each, \$1.35.
Ordinary Garden. 6-inch, each, 15c, prepaid, 20c.
English Steel. 6-inch, each, 35c; prepaid, 40c.
Transplanting Trowel. Can be used either as a transplant, dibber or weed digger, blade being deeply curved. 6-inch, 30c; postpaid, 35c.

VASE—Cemetery.—Earthen, green, 10-inch, sharp edge, each, 50c.
Fibre For Cut-Flowers.
Unbreakable.
9 inches deep, 1 1/2 in. diam., each, \$1.50.
10 inches deep, 5 1/4 in. diam., each, \$1.70.
13 inches deep, 8 in. diam., each, \$2.10.
18 inches deep, 5 1/2 in. diam., each, \$2.25.



WATER BARREL, HAND CART, LEAF RACK

Adjustable to One Truck Water Barrel. Can be used for a variety of purposes: barrel can be easily attached or detached from the truck by simply raising or lowering the handles. Barrel with Sprinkler attachment for barrel \$6.25. (Truck extra)

Hand Cart. Used with truck makes a very convenient dumping hand cart. Length, 37 inches; width, 23 1/2 inches; depth, 8 inches. Price \$7.25. (Truck extra)

Leaf Rack. Very convenient for the cartage of leaves, cut grass from the lawn, etc. Rack has an average width of 28 in. by 42 ins., and is 21 ins. deep.

Price \$14.50. (Truck extra)
Price of Truck, No. 2, steel wheels, 2 1/2 inch tread including trunnions.....\$17.00



WHEELBARROWS—Globe Garden. Inside measurements of box, 30 inches long, 19 inches wide at wheel end, 24 inches wide at handle end. 12 inches deep. Has a 20-inch wheel. Price, with steel wheel, \$7.75.

Vaughan Greenhouse. We had numerous calls for a greenhouse wheelbarrow, the ordinary wheelbarrow being too wide. We built a special barrow which fills this want perfectly. Price, each, \$11.25.

Watering Pots
American. Heavy galvanized round can, two copper-faced roses, long spout; 4-quart, \$4.00; 6-quart, \$4.35; 8-quart, \$4.70; 10-quart, \$5.00; 12-quart, \$5.40.
French Style. Oval, otherwise same make as above; 6-quart, \$4.70; 8-quart, \$5.25; 10-quart, \$5.60; 12-quart, \$6.30.

Eureka Weeder
Combination Weeder
Hazelint Weeder
Lang's Weeder

WEEDERS—Combination. Each, 40c.
Eureka. Best hand weeder for loosening soil around plants. Short handled, 45c; long handled, 60c; (Mailing weight, 1 1/2 lb.)
Excelsior. Each, 15c. (Mailing wt., 4 oz.)
Lang's. We find this by actual trial a real labor saver. Each, 25c. (Mailing weight, 4 oz.)
Hazelint. Each, 35c. (Mailing weight, 6 oz.)
Norcross Weeder. Each, 45c.
Piqua. Long handled useful tool, makes weeding easy, no stooping. Price, \$1.35.

Wander Weeder. For Dandelion, Plantain, etc., in lawns. It gets the weeds, fast, clean and deep. It absolutely will not break up the soil. Just two simple movements and your weed is out. No backache, soiled hands or clothing. Each, 70c.



VAUGHAN'S HIGH-GRADE FERTILIZERS

The Yield and Quality of Vegetables Depend Upon Continuous and Rapid Growth

It has been demonstrated that market-garden crops of the best quality are those which are grown under conditions which permit of a continuous and rapid development. Any delay in the growth of the lettuce or radish causes the sharp and pungent flavor of the farmer and the bitterness and toughened fibre of the latter, beets become stringy, etc. Plant food of the right amount and kind controls the yield and quality of market-garden products more than

any other condition, and it is neither wise nor economical to depend upon the natural condition of the soil or the application of stable manure only for profitable crops.

Prices are unsettled. In case market declines, orders will be filled at market prices and difference refunded.

SPECIAL TRUCK AND FARM MANURE 5-8-1

This is a good grade of concentrated Manure, suitable for lawns and flowers as well as vegetables meeting them. It is of exceptional value and will prove money-maker to every farmer or gardener that uses it.

To be used on	Rate per acre	To be used on	Rate per acre
Essex Rape	200 to 500 lbs.	Celery	700 to 800 lbs.
Asparagus	1,000 lbs.	Cucumbers	400 to 800 lbs.
Beans	400 to 600 lbs.	Lettuce	500 to 1,000 lbs.
Beet	500 to 1,500 lbs.	Onion	500 to 1,500 lbs.
Cabbage	400 to 1,500 lbs.	Tomatoes	500 to 1,000 lbs.
Carrot	300 to 800 lbs.	Strawberry	500 to 1,000 lbs.
Price, 25 lbs., \$2.00; 50 lbs., \$3.00; 100 lbs., \$5.50; 500 lbs., \$24.00; 1000 lbs., \$45.00; 2000 lbs., \$85.00.			

FERTILIZER MIXTURE 2-8-1

For fruit trees and small fruits, garden truck, tobacco, etc. Quick in starting, lasting in effect, giving firm, healthy growth and developing the fruit. Quantity of pounds to be used per acre. Beet, 500 to 1,500; Carrot, 300 to 800; Parsnip, 400 to 1,000; Potato, 500 to 1,000; Sage, 200 to 600; Salsify, 500 to 1,000; Turnip, 500 to 1,000; Blackberries, 400 to 800; Grapes, 400 to 500; Strawberries, 500 to 1,000. Prices, 25 lbs., \$1.50; 50 lbs., \$2.50; 100 lbs., \$4.00; 500 lbs., \$17.50; 1000 lbs., \$36.00.

BONE, BLOOD AND POTASH

Fertilizer Mixture 5-8-7 Per Cent Analysis

This is our best brand of concentrated manure; excellent for mixing into potting soil or as a top-dressing. It is a ready-made fertilizer. For top-dressing, use about 20 pounds to a cubic yard of soil, and for the dressing estate, it should be used as lawn grass is sown, after loosening the surface of the soil. It is excellent for Carnations if applied by the end of October or in November. It can also be applied as a liquid manure by using a syringe, putful to a barrel of water.

Price, 25 lbs., \$2.50; 50 lbs., \$4.00; 100 lbs., \$7.00; 500 lbs., \$33.00; 1000 lbs., \$60.00; 2000 lbs., \$110.00.

BONE AND BLOOD (Tankage)

For Cabbage, Cauliflower, Corn and other crops of high surface growth; not desirable for root crops except it is used in connection with potash salts or hardwood ashes, and if so used it is especially adapted to fruits, if applied early. For garden use, use 100 lbs. to a barrel of water.

Price, 25 lbs., \$2.50; 50 lbs., \$3.00; 100 lbs., \$5.00; 500 lbs., \$22.50; 1000 lbs., \$40.00; 2000 lbs., \$75.00.

DRIED BLOOD For top-dressing for mixing with the bone and salt, and for applying in liquid form. It is one of the best and safest fertilizers, and for applying in liquid form. It is splendid for roses, carnations, mums, all kinds of pot plants. Price, 5 lbs., 65c; 10 lbs., \$1.15; 25 lbs., \$2.35; 50 lbs., \$4.25; 100 lbs., \$7.25; 500 lbs., \$37.00; 1000 lbs., \$75.00.

HARDWOOD ASHES

This is also a splendid fertilizer for the lawn and garden, containing all of the fertilizing elements except nitrogen. If used on the lawn at the rate of a ton or more per acre as a top-dressing, and if used in connection with the dried blood afterwards, will insure a thrifty growth of dark color, exemption from ill effect of dry weather and freedom from weeds. Price, 25 lbs., \$1.00; 50 lbs., \$1.60; 100 lbs., \$2.25; 500 lbs., \$9.00; 1000 lbs., \$16.00; 2000 lbs., \$30.00.

IMPORTED ENGLISH FERTILIZERS

We are glad to be able once more to offer these imported Fertilizers to our customers at reasonable prices. During the war they were unobtainable, the manufacturing plants being engaged in production of war material.

CLAYS FERTILIZER. This valuable imported manure is especially recommended to all who grow either fruit, flowers or vegetables, and wish to bring them to the highest perfection. It should also be used in potting soil and as a top-dressing. Price, 7 lbs., 25c; 14 lbs., \$2.25; 28 lbs., \$4.00; 56 lbs., \$7.12; 112 lbs., \$14.00.

THOMPSON'S "SPECIAL" CHRYSANTHEMUM MANURE

Imported in original bags of 50 lbs. each. An excellent stimulating Manure for top-dressing for Chrysanthemums and similar plants. It is entirely soluble and very powerful, especially suitable for top-dressing plants in pots during the growing season. A heaped dessertspoonful will be sufficient for a ten-inch pot, sprinkled over the surface of the soil. It is especially adapted for rapid water. It may be given three times during the growing seasons. Best results will follow. Price, 14 lbs., \$2.00; 28 lbs., \$3.75; 56 lbs., \$7.00.

THOMPSON'S VINE, PLANT AND VEGETABLE MANURE

So compounded as to combine stimulating with lasting effects. A safe and reliable Food and Stimulant for every Fruit-bearing plant, for Foliage and Flowering plants, for vegetables and out-door plants of every description. It is adapted for mixing with the soil when potting in the proportion of 4 lbs. to each wheelbarrow of soil. Price, 14 lbs., \$1.75; 28 lbs., \$3.25; 56 lbs., \$6.00; 112 lbs., \$10.00.

PURE ICHTHEMIC GUANO

An Ideal Plant Food, that exactly fulfills all the requirements of Plants and Flowers, Fruit and Vegetables in a well-balanced form, so as not to stimulate one feature of the growth at the expense of another. It is clean in use, absolutely reliable, and may be safely applied in the described quantities. **DIRECTIONS FOR USE.**—(1) In the dry state, 1 to 2 ounces to the square yard of ground. (2) In a liquid state, a tablespoonful to a gallon of water in the case of pot plants, and about three times as much for out-door plants. (3) For vines, 1 part to 100 parts of water. Vines take a larger quantity, being applied in the early stages at the rate of 1/2 lb. to the square yard while growing, and at the time of fruiting, use one and four parts per bushel to the gallon of water. Imported in original bags of 112 lbs. each.

Price, 28 lbs., \$2.75; 56 lbs., \$5.00; 112 lbs., \$9.50.

SCOTCH SOOT (Genuine Imported)

Gardeners know the value of the genuine article for stimulating a healthy growth, of dark green foliage, and for its beneficial effect in freeing the soil from slugs, grubs, and cut worms. Price, 25 lbs., \$2.00; 50 lbs., \$3.50; 100 lbs., \$6.00; 500 lbs., \$35.00.

We are not responsible for the loss in weight of Imported Fertilizers, due to evaporation.

VAUGHAN'S "ROSE GROWER" BONE MEAL

This is a special brand we have put up for our trade. It is ground fine, hence acts quickly. Free from acid and a superb article. It is made from home accumulated in large slaughter houses, and should not be compared with the Bone Meal made from cattle heads and feet gathered upon the Western prairies. Our "Rose Grower" Bone has been slightly treated to soften it and is thus quicker in its action. Analysis: Ammonia, 4 1/2 to 5 1/2 per cent; total phosphoric acid, 22 to 25 per cent; bone phosphate, 48 to 54 per cent.

Price, 5 lbs., 75c; 10 lbs., \$1.25; 25 lbs., \$2.50; 50 lbs., \$4.00; 100 lbs., \$7.00; 500 lbs., \$32.50; 1000 lbs., \$60.00; 2000 lbs., \$110.00.

REGULAR BONE MEAL

Price, 25 lbs., \$2.00; 50 lbs., \$3.50; 100 lbs., \$6.00; 500 lbs., \$25.00; 1000 lbs., \$47.50; 2000 lbs., \$90.00.

Quantity Required. For permanent pasture and mowing lands, 1 1/2 to 1 ton per acre; for trees and vines, 2 to 4 quarts each; for top-dressing, 1,000 to 1,500 lbs. per acre; rose heds and plants, 1 part to about 50 of soil; for starting a new lawn, as a base, 3 to 5 lbs. per 100 square feet.

PULVERIZED LIMESTONE

The best form in which to apply lime as a neutralizer for acid soils. It is not caustic and will not turn the humus in the soil, consequently can be applied any time of the year without danger. Price, 10 lbs., 50c; 25 lbs., \$1.00; 50 lbs., \$1.50; 100 lbs., \$2.00; 500 lbs., \$7.50; 1000 lbs., \$12.50; 2000 lbs., \$20.00.

NITRATE OF SODA or Chili Saltpetre

Nitrate of Soda is not a substitute for other manures, but we recommend it as the cheapest and best form in which to apply Nitrogen to plants. Gardeners who are using farm manure should continue to use it, but use Nitrate of Soda in addition to other fertilizers. If your soil is growing maximum crops you must in some way furnish the plants with Nitrogen. No matter what manure or fertilizer is used the Nitrogen must be converted into Nitrate before the plants can use it.

Price (subject to market changes), 5 lbs., 60c; 10 lbs., \$1.00; 25 lbs., \$2.00; 50 lbs., \$3.50; 100 lbs., \$6.00; 500 lbs., \$27.00; 1000 lbs., \$50.00. Write for prices on larger quantities.

HOW TO USE NITRATE OF SODA

Remove the lumps before you break them up, which can be done by pounding. Use as a top dressing at the rate of 100 lbs. per acre on the following vegetables, when plants are well established: Beets, Cabbage, Cauliflower, Carrots, Celery, Cucumber, Plant, Lettuce, Spinach, Onions.

For Asparagus, a top dressing of 250 lbs. per acre just as soon as the first shoots make their appearance.

For Strawberry, a top dressing of about 100 lbs. per acre after the plants have blossomed.

For the Home Garden apply as a solution one ounce to two gallons of water

VAUGHAN'S SHEEP MANURE

This is a pure, natural Manure, and its effect is immediate; it is excellent for mixing with the soil for greenhouse plants—one part manure and six parts soil. Strew over and dig into the vegetable garden or placed directly in drills or hills, it promotes a rapid, steady growth until maturity. It makes the richest, safest and quickest Liquid Manure. For use in liquid form one pound to five gallons of water will make a liquid which can be used with safety daily. Price, 5 lbs., 50c; 10 lbs., 90c; 25 lbs., \$1.50; 50 lbs., \$2.50; 100 lbs., \$4.50; 500 lbs., \$20.00; 1000 lbs., \$35.00; 2000 lbs., \$65.00.

VAUGHAN'S LAWN FERTILIZER

Make first application in early spring, when frosts out of the ground, distribute evenly 25 lbs. fertilizer to every 1,000 square feet of lawn. In seeding down new lawn, scatter double the amount, 50 lbs. of fertilizer on every 1,000 square feet; rake in thoroughly, water, and sow seed. Price, 5 lbs., 60c; 10 lbs., \$1.00; 25 lbs., \$2.00; 50 lbs., \$3.50; 100 lbs., \$6.00; 500 lbs., \$25.00; 1000 lbs., \$45.00; 2000 lbs., \$90.00.

ACID PHOSPHATE 16%. Used on grain crops and others requiring an excessive amount of phosphoric acid. Price, 25 lbs., \$1.50; 50 lbs., \$2.25; 100 lbs., \$3.50; 500 lbs., \$15.00; 1000 lbs., \$27.50; 2000 lbs., \$50.00.

VAUGHAN'S CONCENTRATED PLANT FOOD

A most useful Fertilizer for all kinds of plants raised in pots. It produces a rapid and vigorous growth and an abundance of flowers. Package containing Food for 30 plants at 3 months, 20c; 3 for 55c; large package, containing sufficient plant food for one year, 30c; 3 for 80c; if by parcel post, add 5c for small package and 10c for large package.

SULPHATE OF AMMONIA. Used for its Nitrogen. A very desirable fertilizer for all plants in which a large development or rapid growth is desired. Use 1 pound to 50 square feet of ground or bench or a tablespoonful to a bushel of soil, or 3 gallons of water. Price, 25 lbs., \$2.50; 50 lbs., \$4.00; 100 lbs., \$7.50; 500 lbs., \$30.00.

HORN SHAVINGS. These are largely used by florists on such plants as Fuchsias, Geraniums, etc., and in the large vases in Parks and Cemeteries, to supply the plants with food. Price, 50 lbs., \$5.00; 100 lbs., \$9.00; 200 lbs., \$15.00.

IMPORTANT The prices on this page are based on present prices of Fertilizers, and are subject to change as market fluctuates.

Explanation of Table Below. Numbers prefixed with **B**, Bulbs; **P**, Plants; **R**, Roots; **S**, Seeds

[illegible]

From _____

P. O. _____ *State* _____

Vaughan's Seed Store

New York

43 Barclay Street



(Use Special Order Sheet attached for Plants, Trees, Shrubs, Etc.)

U. S. Gov't.
License
No. 81074

10-12 West Randolph Street, CHICAGO

(Write very plainly)

County..... Street, P. O. Box
or Rural Delivery.....

Express or Freight Office { If different }
 { from P. O. }

Forward Goods by.....
(Parcel Post, Express, Freight or Boat)

(Loose money is not safe)

Money Order - \$.....

Draft or Check \$.....

Make money orders or checks payable to Vaughan's Seed Store

Postage Stamps \$.....

Cash - - - - - \$.....

More order blanks will be sent upon request. Always write letters on a separate sheet from your order.

See Inside Back Cover for our Special PREPAID OFFER, also Table of PARCEL POST RATES to different zones.

Your local postmaster will tell you in which Zone you reside as regards NEW YORK or CHICAGO.

We do not warrant in any way, express or implied, the contents, or the description, purity, productiveness, or any other matter of any seeds, bulbs or plants, sold by us, and we will not be in any way responsible for the crop, if the purchaser does not accept those goods on the above terms, no sale is made therefrom, and he must return them at once, and money will be returned to him. Subject to the above conditions we make this sale at the moderate prices we charge. VAUGHAN'S SEED STORE (Incorporated).

VAUGHAN'S SEED STORE (Incorporated).

Substitutes

You may substitute the next best of any variety you cannot supply

Please do not substitute without first notifying me.....

(Please mark a cross (X) in one of the above spaces.)

(Order Flower Seeds by Numbers Only)

Carried forward, lbs.

If by mail, and PREPAID OFFER on inside cover does not apply, add postage for your Zone

(OVER)

and NURSERY
STOCK only on
this sheet

U. S. Gov't, License No. 31074

See instructions in
Catalogue,
"HOW TO ORDER"

Greenhouses, Nurseries and Trial Grounds, Western Springs, Ill.

10-12 W. Randolph St., CHICAGO

Date.....

(Very Plain)

Please do not write here.

P. O. Box

State

(Mail, Express or Freight)

Name of Ex. Co.

Money Order, \$.....

Draft or Check, \$.....

NOTICE—We do not warrant in any way, expressed, or implied, the contents, or the description, purity, productiveness, or any other matter of any seeds, bulbs, or plants, sold by us, and we will not be in any way responsible for the crop. If the purchaser does not accept these goods on the above terms, no sale is made thereof, and he must return them at once, and money will be refunded. Subject to above conditions we make this sale, at the moderate prices at which we sell our goods.

Vaughan's Seed Store (Incorporated).

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 In making your order, please give the prices to avoid delay and errors.

[Over]



ONE OF OUR PEONY FIELDS



PROPAGATING FRAMES, PACKING SHEDS



A BLOCK OF APPLE TREES



ROW AFTER ROW OF BLUE SPRUCE

How to Order

Early Orders Kindly send in your order as soon as convenient after receiving catalog. Our rush season comes in the months of March and April. Orders received earliest secure the promptest shipment and from our complete stocks.

Daily filling of seed orders is the Vaughan rule.

Order Sheets Use the order sheets accompanying this catalog. One for Seeds, Bulbs and Garden Sundries, the other for Trees, Plants and other Nursery Stock. Please fill in all particulars carefully and distinctly with your Zone Number and keep a copy of your order.

Seed and Bulb Orders should have the quantity required written distinctly in the column provided for same with prices. Flower Seeds may be ordered by name, or by the marginal number.

Plant and Tree Orders should be written on the order sheet provided for these, and should state quantity, size or age for these, and should state quantity, size or age of shrubs sent C. O. D.

Order Trees, Shrubs and Hardy Plants, if possible, before end of March—it gives us more time for selecting, packing and shipping when the planting season opens up. Early orders receive first attention.

All Trees, Shrubs and Hardy Plants are shipped as soon as weather permits. Tender plants from Greenhouses for bedding, etc., are shipped after frosts are past, usually after May 15th. (Southern shipments may arrive after February.) State plainly date and manner of shipping you wish.

Parcel Post Fourth Class Mail Matter, which includes seeds, plants, bulbs, roots, books, etc., and insecticides (that are non-poisonous), odorless fertilizers and requisites may be forwarded by domestic parcel post within the United States. We recommend this mode of conveyance for all seeds and bulbs, where weight permits, also implements, insecticides, etc., where we give mailable weights throughout the catalog.

You will find your Zone Number following your name on the wrapper of this catalog. Please mark this number in the space provided for same on the top right hand corner of all orders which you send to us.

Express Shipments General orders for garden seeds, where peas, beans and corn form a large proportion, are best sent this way. Orders over FIVE POUNDS (5 lbs.) weight going to 5th Zone and beyond, will travel cheaper by express than by parcel post.

How to Send Money Send by New York or Chicago draft, registered letters, or postoffice or express money order; both are cheap and absolutely safe. Small postage stamps are taken as cash; but we prefer larger denominations such as fives, tens or fifteens. Registered letters can be sent from any postoffice, and your receipt sent you by return mail if demanded by you, by which you know it has reached us. If local checks are used, 25 cents must be added to cover the cost of collecting. Make money orders payable to "Vaughan's Seed Store." (Mark your Zone Number on order.)

Parcel Post Rates By Zones

Vaughan's Seed Store at Chicago and New York, covers the United States in a remarkable way to secure cheap postal rates for its many mail order customers.

All parcels under 8 ounces are carried everywhere regardless of zone rates at one cent for 2 ounces.

Packages of such size Vaughan's Seed Store prepaies FREE. BUT seeds ordered at peck, bushel or five pound rates, or bought in even larger quantities at cheaper prices, should go by freight when possible.

To liberal orders from distant points WE ADD FREE, SPECIAL NEW VARIETIES of value to partly cover postage or express charges.

We respectfully request customers to follow these instructions and to fill out order sheets carefully.

Free Delivery

We prepay at our option (mail or express) in Local, First, Second and Third Zones from Chicago or New York all Flower and Vegetable Seeds ordered at rates of single packet, ounce, quarter-pound, half-pound and pound; also two pound lots of Peas, Beans and Sweet Corn.

Where bought in quantities exceeding the above, and at special quantity prices, add postage at zone rates.

N. B.—Buyers who reside beyond the third zone from Chicago or New York may have all the seeds above mentioned prepaid for FIVE CENTS (5 cts.) per pound additional.

This offer includes the 4th, 5th, 6th, 7th and 8th zones and the dependencies of the United States.

These Special Free Deliveries do not include C. O. D. shipments, which travel at buyer's expense.

BY EXPRESS—We advise for safety against injury, to use express shipments on parcels weighing over 15 pounds.

Mistakes These will happen in spite of all care. Write us at once with copy of original order if possible, and mistakes will be promptly rectified. Please do not return goods until you hear from us.

"Say it with Flowers"

6 Packets for

5 Cents

REGULAR PRICE 65c.

The "Friendship Garden," whose treasures are gifts from the garden of one's friends, or are of their choosing, is an ideal long in favor with garden lovers. One never wanders among one's flowers without renewing happy associations—"Mary gave me this" or "John sent me these." For the convenience of customers who would like to "Say it with Flowers" we are offering from our finest strains of easily grown flower seeds a "Friendship Collection" to be mailed with your card to some flower-loving friend. We have combined them at a special price, so we can make no change in the varieties.

VAUGHAN'S Friendship Collection

Colossal Zinnia, Mixed
Special Mixture of Single Poppies
Special Mixture of Strawflowers
Giant Pansy Mixture
Giant Branching Asters, Mixed
Special Mixture of Tall Nasturtium

Every one of these, the "best of its kind," a collection of flowers that can be grown in any garden anywhere, we will mail this collection with your card if for a friend, to any address in the United States or Canada for 50 cents.

It is so manifestly impossible for a seller of any prizable article to be responsible for what may happen to it after it leaves his hand, especially one like seeds, which are planted in the ground under varying conditions of soil and climate that we, in common with all American seed houses, disclaim responsibility as to the crop which may be raised from seeds which we sell.

At the same time, in case of any failure to secure proper results caused from some inherent fault in the seeds themselves, Vaughan's Seed Store accepts responsibility, not for crop, but to the extent of the amount of money paid for the seeds, if we are immediately advised in case of any dissatisfaction.

We wish to understand that all our stocks are sold under the following conditions:

We Do Not Warrant In any way, expressed or implied, the contents or the description, purity, productiveness or any other matter of any seeds, bulbs, plants, shrubs or trees sold by us, and we will not be any way responsible for the crop. If the purchaser does not accept these goods on above terms, no sale is made and he must return them at once, and money will be refunded. Subject to above conditions, we make this sale at the moderate prices at which we sell our goods.

DOMESTIC PARCEL POST RATES On Seeds, Plants, Bulbs, Roots, Books, Tools, etc., within the U. S. and Possessions.

	First pound or fraction	Each additional pound or fraction
First Zone Chicago or New York. City or 50 miles thereof.....	5c.	1c.
Second Zone within 50 to 150 miles of either.....	5c.	1c.
Third Zone within 150 to 300 miles.....	6c.	2c.
(See our prepaid offer above for zones 1 to 3.)		
Fourth Zone within 300 to 600 miles.....	7c.	4c.
Fifth Zone within 600 to 1000 miles.....	8c.	4c.
Sixth Zone within 1000 to 1500 miles.....	9c.	8c.
Seventh Zone within 1500 to 1800 miles.....	11c.	11c.
Eighth Zone all over 1800 miles and Canada.....	12c.	12c.

NOTE.—Limit of weight for delivery within the first and second zones, 50 pounds; to Canada 4 lbs., 6 ozs. (postage 60c); to all other zones 20 pounds. If weight exceeds this, we will pack in 2 or 3 parcels (not more) provided money is remitted to cover postage. (Mark your Zone Number on order.)

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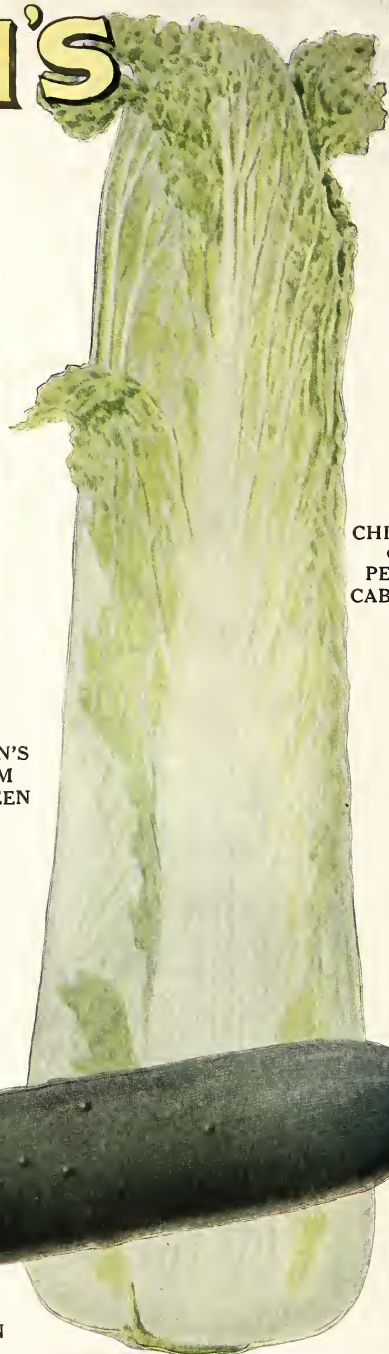
19

VAUGHAN'S SEEDS

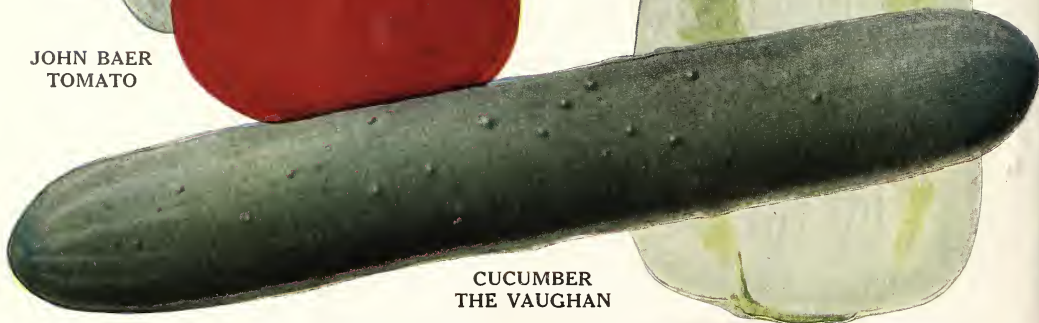


JOHN BAER
TOMATO

VAUGHAN'S
BANTAM
EVERGREEN



CHINESE
OR
PETAIS
CABBAGE



CUCUMBER
THE VAUGHAN